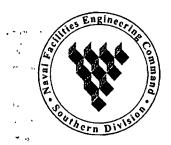
VOLUNTARY CORRECTIVE ACTION REPORT RCRA FACILITY INVESTIGATION NAVAL SUPPORT ACTIVITY MID-SOUTH

Petroleum-Contaminated Soil Removal
Buildings S-362/SWMU 65, S-235, S-394, N-114/ SWMU 24, N-1211, N-105, N-108, S-203, SWMU 41, SWMU 43, SWMU 47, SWMU 48, and SWMU 49

Revision: 1

CTO-0146

Prepared for:



Department of the Navy
Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina

Prepared by:



EnSafe Inc. 5724 Summer Trees Drive Memphis, Tennessee 38134 (901) 372-7962

The Contractor, EnSafe Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0318 are complete, accurate, and comply with all requirements of the contract.

Date:	June 29, 2001	
Signature:		
Name:	John Stedman, Jr.	
Title:	<u>Task Order Manager</u>	



ENSAFE INC.

5724 Summer Trees Drive • Memphis, Tennessee 38134 • Telephone 901-372-7962 • Facsimile 901-372-2454 • www.ensafe.com

June 29, 2001

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North Charleston, South Carolina 29419-9010

Subject:

CTO-0146; NSA Mid-South, Millington, Tennessee

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Contaminated Soil Removal, June 29, 2001 Revision: 1

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NSA Mid-South Responses to Comments on the VCA Report: Petroleum-Contaminated Soil Removal

Revision: 0 — January 2001

Comment 1a: Since this document was prepared, all of the soil has been disposed of in appropriate landfills. This should be reflected in the applicable narratives within the document. Additionally, the manifests for all excavated soil should be included in the document for

accountability and final closure.

Response 1a: The text has been changed to reflect soil disposal. The soil disposal manifests have

been included in Appendix C of the report.

Comment 1b: Please ensure that the amount of soil specified in the narrative is consistent with

the quantity indicated on each manifest.

Response 1b: The amount of soil removed from each excavation is listed in each narrative. All

manifests provided by NSA Mid-South, Environmental Division, are included in Appendix C of

the report.

Comment 1c: Please indicate the nearest referenced facility number on the accompanying Figure

for each of the sites. The location was not always intuitively obvious in all of the figures.

Response 1c: Nearby facilities and soil sample locations were added to several figures for

clarification as described in the following comments.

Comment 2: Page 9: Were the results from ETC consistent with the TPH Plus Field Analyzer?

Response 2: Only the TPH field analyzer was used to analyze for TPH; therefore, the results

could not be compared to laboratory data. At SWMU 47 ETC was used to analyze the

confirmation TPH samples. However, the TPH field analyzer was not used at SWMU 47.

Comment 3: Figure 3.1.c: Please confirm that 065S0031 is correct on this diagram.

Response 3: "065S0031" is correct. Confirmation sample identification numbers mistakenly began with "0031" instead of "0032." Sample ID "065S0031" was previously used for the direct-push investigation and again for a confirmation sample.

Comment 4: Page 25 and 26: The RC for lead should be 26.0 versus 27.0 mg/kg

Response 4: The RC for lead was corrected on these pages.

Comment 5: Figure 3.3: It would be helpful to include Bldg S-394 on the diagram.

Response 5: Building S-394 was added to the figure.

Comment 6: Page 39: Paragraph 3.4.4: N-1211 should actually be N-114.

Response 6: N-1211 was changed to N-114.

Comment 7: Page 42: What was the first excavation back filled with?

Response 7: The narrative was changed to say that both N-1211 excavations were backfilled with clean material (pea gravel) after soil removal.

Comment 8: Figure 3.8: It would be helpful to have S-203 on the diagram.

Response 8: Building S-203 was added to Figure 3.8.

Comment 9: Figure 3.9: It would be helpful to have the nearest facility # on the diagram.

Response 9: Building S-262 and soil sampling location 041S0011 were added to Figure 3.9.

Comment 10: Figure 3.10: Please specify the nearest facility number on the diagram.

Response 10: Building S-66 and two additional soil sampling locations were added to Figure 3.10.

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ACRONYMS AND ABBREVIATIONS

Below land surface bls

Centimeters per second cm/sec

Direct push technology **DPT**

Division of Solid Waste Management **DSWM**

EnSafe/Allen & Hoshall E/A&H

Extractable Petroleum Hydrocarbons **EPH** Environmental Restoration Navy Account **ERNA**

Infrared IR

Milligrams per kilogram mg/kg

Morale, Welfare, and Recreation **MWR**

Navy Exchange NEX

Naval Support Activity **NSA**

Office of Solid Waste and Emergency Response **OSWER**

Petroleum, oil, and lubricants **POLs** Public Works Department **PWD**

Risk-based concentration **RBC** Reference concentration RC

Resource Conservation and Recovery Act **RCRA**

RCRA Facility Investigation RFI

Soil screening level SSL

Solid Waste Management Unit **SWMU**

Toxicity Characteristic Leaching Procedure **TCLP**

Tennessee Department of Environment and Conservation **TDEC**

Total Petroleum Hydrocarbons TPH

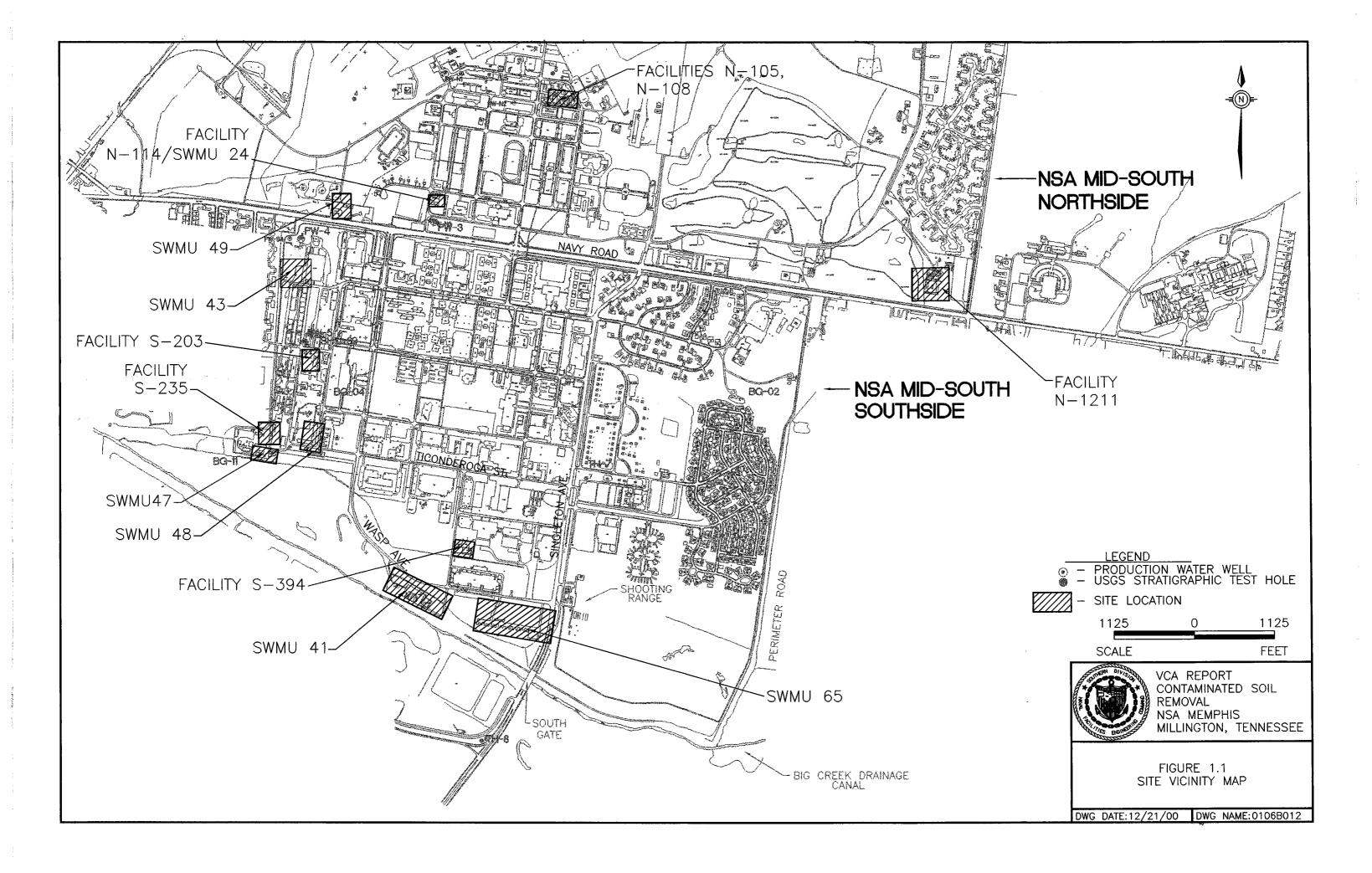
United States Environmental Protection Agency **USEPA**

Underground storage tank **UST**

Voluntary Corrective Action **VCA**

1 INTRODUCTION 1.0 As part of the U.S. Navy's Installation Restoration Program, EnSafe has prepared the following 2 Voluntary Corrective Action (VCA) report for the excavation and removal of soil primarily 3 contaminated with petroleum from 13 sites at NSA Mid-South, Millington, Tennessee. 4 5 VCA Sites at NSA Mid-South Training Mock-Up Site SWMU 65/Building S-362 7 Automobile Maintenance Ramps **Building S-235** Maintenance Shop Facility S-394 Auto Hobby Shop Facility N-114/SWMU 24 Morale, Welfare, and Recreation Golf Course 10 Facility N-1211 11 Maintenance Storage Area 12 Quonset Hut Facility N-105 13 Maintenance Shop Facility N-108 14 Storage Quonset Hut Facility S-203 15 Salvage Yard No. 2 SWMU 41 Former Hazardous Waste Accumulation Point 16 SWMU 43 Former Hazardous Waste Accumulation Point 17 SWMU 47 18 Hazardous Waste Accumulation Points SWMU 48 19 Navy Exchange Service Station **SWMU 49** These sites were identified in the Assembly E RFI Report (EnSafe, February 1998) and the containing 21 1999) as (EnSafe, May Investigation Report Gray Areas **ERNA** petroleum concentrations exceeding the applicable action levels. Therefore, the 22 outlined in the petroleum-contaminated soil was excavated from these sites, 23 as Voluntary Corrective Action Work Plan (EnSafe, May 1999). Figure 1.1 is a vicinity map showing the location of the 13 sites. The excavations and removals were conducted in accordance

interval and 500 mg/kg below 5 feet bls.



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Confirm that petroleum and metal concentrations remaining in soil are less than applicable 2 action levels. Properly dispose of excavated soil and return excavation areas to original elevations and 4 surface conditions. Each VCA soil removal is addressed in a separate section of this report because each site was 5 excavated and sampled separately and the petroleum-contaminated soil was stockpiled and disposed of separately. All excavation, transportation, and disposal was conducted by the U.S. Army Corps 7 of Engineers, Memphis District (Corps) unless otherwise indicated. All soil and waste sampling 8 was conducted by EnSafe and laboratory services were provided by Environmental Testing and 9 Consulting, Inc. (ETC) in Memphis, Tennessee. Laboratory results are provided in Appendix A. 10 VCA Report — Petroleum-Contaminated Soil Removal Naval Support Activity Mid-South Revision: 1; June 29, 2001

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APPLICABLE CLEANUP LEVELS 2.0

Total Petroleum Hydrocarbons 2.1

Because no risk-based concentration (RBC) or soil screening level (SSL) values have been established for TPH, TDEC soil-cleanup values1 were used for comparison. TDEC has established three cleanup concentrations for TPH depending on soil permeability and aquifer classification: 100 mg/kg, 500 mg/kg, and 1,000 mg/kg.

Initially, the TDEC cleanup level of 500 mg/kg for total TPH in nondrinking water aquifers, the TDEC action level which is based on soil permeabilities of 10⁻⁴ to 10⁻⁶ centimeters per second (cm/sec) (TDEC 1997), was compared to total TPH concentrations in surface and subsurface soil at NSA Mid-South. This cleanup level was chosen because 1.84E-6 cm/sec, a value representing the average soil permeability from 20 samples across the base, was used as the default for sites However, as requested by the PWD, lacking permeability data (EnSafe, June 1999). Environmental Division, soil exceeding 100 mg/kg TPH at these sites was excavated from 0 to 5 feet bls and soil exceeding the TDEC cleanup level of 500 mg/kg was excavated from depths below 5 feet.

Currently, there are no permeability data for most of the removal sites addressed in this report; 16 however, soil permeability for SWMU 65 was measured at 4.80E-6 cm/sec in the 17 Assembly E RFI Report (EnSafe, February 1998), which sets the cleanup standard at 500 mg/kg. 18

Metals 2.2

Lead concentrations in soil are evaluated with respect to concentrations in the blood versus 20 The established standards for lead include a an established exposure percentage. background reference concentration (RC) of 26.0 mg/kg for NSA Mid-South² and the soil lead 22 action level of 400 mg/kg established by the USEPA Office of Solid Waste and 23

¹ From the memorandum *Policy Statement for Petroleum Contaminated Sites* (TDEC, 1997).

² From the technical memorandum Reference Concentrations (E/A&H, 1996).

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Emergency Response (OSWER) in Directive 9355.4-12. The established standards for arsenic, cadmium, chromium, and copper are listed in Table 2.1. Only lead, arsenic, cadmium, chromium, and copper were compared to their screening levels because they are found in petroleum products such as gasoline, diesel, and used oil.

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Table 2.1 Standard Reference Values for Inorganic Constituents of Concern (in mg/kg)						
Inorganic Constituent RC Industrial RBC Residential RB						
Arsenic	14.7	3.8	0.43			
Cadmium	1.54	100	3.9			
Chromium	23.9	610	23			
Copper	24.2	8,200	310			

Note:

RBCs for the noncarcinogens cadmium, chromium, and copper have been adjusted by a factor of 0.1 to account for the summation of risk associated with noncarcinogens.

Results from the VCA confirmatory samples collected after all soil removals were completed were compared with these standards. No confirmatory VCA soil sample exceeded both the RC and residential or industrial RBC at any removal location.

The cadmium laboratory detection limit (2.5 mg/kg) used for most sites during this VCA was higher than the RC (1.54 mg/kg) for NSA Mid-South. Therefore, RC exceedances could not be determined for cadmium soil concentrations. However, the cadmium concentrations were less than both RBCs in all samples collected.

The arsenic laboratory detection limit (50 mg/kg) used for most sites during this VCA was higher than the RC (14.7 mg/kg) for NSA Mid-South, and both the residential (0.43 mg/kg) and industrial (3.8 mg/kg) RBCs. Therefore, RC and residential and industrial RBC exceedences could not be determined for arsenic soil concentrations. However, all arsenic samples collected during this VCA were less than the laboratory detection limit of 50 mg/kg.

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Sampling Methods 2.3

Soil Screening

EnSafe personnel collected soil samples from the excavation walls and floor throughout the The samples were collected in accordance with procedures described in removal process. Section 4.4.3 of the Comprehensive RFI Work Plan (EnSafe, October 1994).

Samples were screened using an infrared (IR) TPH Plus Field Analyzer, which performs analyses based on USEPA Method 418.1 (IR method). Excavating continued until field screening demonstrated that the contaminated soil less than or equal to 5 feet bls had been removed to concentrations less than 100 mg/kg, and contaminated soil below 5 feet had been removed to the site-specific cleanup level of 500 mg/kg.

Confirmation Soil Sampling

When soil had been removed to these cleanup levels, EnSafe collected five-part composite samples from the excavation walls and floor. The total number of composite samples depended on the size of the excavation, and are presented in the discussions of each site in the following sections. Except for SWMU 47, confirmation soil samples were analyzed onsite using the TPH Plus Field Analyzer for TPH (Method 418.1), and at ETC for Appendix IX metals (USEPA Method 6010/7000 series). All SWMU 47 confirmation samples were analyzed at ETC for TPH using the Tennessee Extractable Petroleum Hydrocarbons (TN-EPH) method and Appendix IX metals using USEPA Method 6010/7000 series.

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Revision. 27 cm.	
3.0 SITE-SPECIFIC REMOVAL ACTIVITIES 3.1 SWMU 65 S-362 — Training Mock-Up Site	1 2 3
3.1.1 Site Description SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is on the NSA Mid-South Southside, is part of Assembly E, one of SWMU 65, which is	4
the defined for the NSA Mid-South RCRA Corrective residence	5
the results and site histories and investigations are	6
The site, previous sampling results, and site of VCA Work Plan (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of	7
SWMU 65.	8
Two areas were addressed during the SWMU 65 soil removal: those defined by direct-push technology (DPT) soil-sample locations 065S0022 and 065S0031 (the easternmost concrete airplane pad area), and DPT soil-sample location 065S0009. DPT sample locations 065S0009 and 065S0031 was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH in the 0- to 5-foot-depth interval. Soil at DPT sample location 065S0022 was identified as containing petroleum concentrations exceeding 500 mg/kg TPH below a depth of 5 feet. Therefore, these areas were excavated following the protocol established in the <i>VCA Work Plan</i> (EnSafe, June 1999).	13
3.1.2 Removal Activities	17
True areas within SWMU 65 (Figure 3.1a) were excavated from March 8 to 17, 2000.	a 18
(DPT locations 065S0022 and 065S0031) and the area	
DPT comple location 065S0009 (source of petroleum contamination unknown). Tuble 5	.1 20
displays the confirmation sampling results, sample IDs, depths, and RCs for metals.	2

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Table 3.1 SWMU 65 — Confirmation Sampling Results (in mg/kg)							
		Reference Concentration Values					
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)	
Location	14.70	1.54	23.90	24.20	26.00	NA.	
		JP-5 Spill Ar	ea				
South excavation area Sample ID: 065S003210 Average Depth: 10 feet	< 50	<2.5	<1	17.80	<25.00	35	
Central excavation area Sample ID: 065S003308 Average Depth: 8 feet	< 50	<2.5	22.20	18.40	<25.00	12	
North excavation area Sample ID: 065S003402 Average Depth: 2 feet	<50	<2.5	24.10	19.90	<25.00	20	
Former Sample Location 065S0009							
Sample ID: 065S003102 Average Depth: 2 feet	<50	<2.5	5.72	4.88	<25.00	20	

Notes:

Bold = Exceeds RC

TPH = Total Petroleum Hydrocarbons

JP-5 Spill Area (Locations 065S0022 and 065S0031)

The first soil-removal area at SWMU 65, the JP-5 spill area which encompassed DPT sample locations 065S0022 and 065S0031, was excavated to a dimension of 25 feet by 35 feet and an average depth of 4 feet bls. The excavation and sampling locations are shown on Figure 3.1b. Excavation began with an approximately 15-foot square and 10-foot deep area within the spill area, as indicated in the *VCA Work Plan* (EnSafe, June 1999). A petroleum odor emanated from the stained soil that was excavated, and the TPH analyzer indicated that the soil exceeded the established cleanup level (500 mg/kg). Therefore, the excavation continued horizontally and vertically until TPH concentrations were less than the cleanup level.

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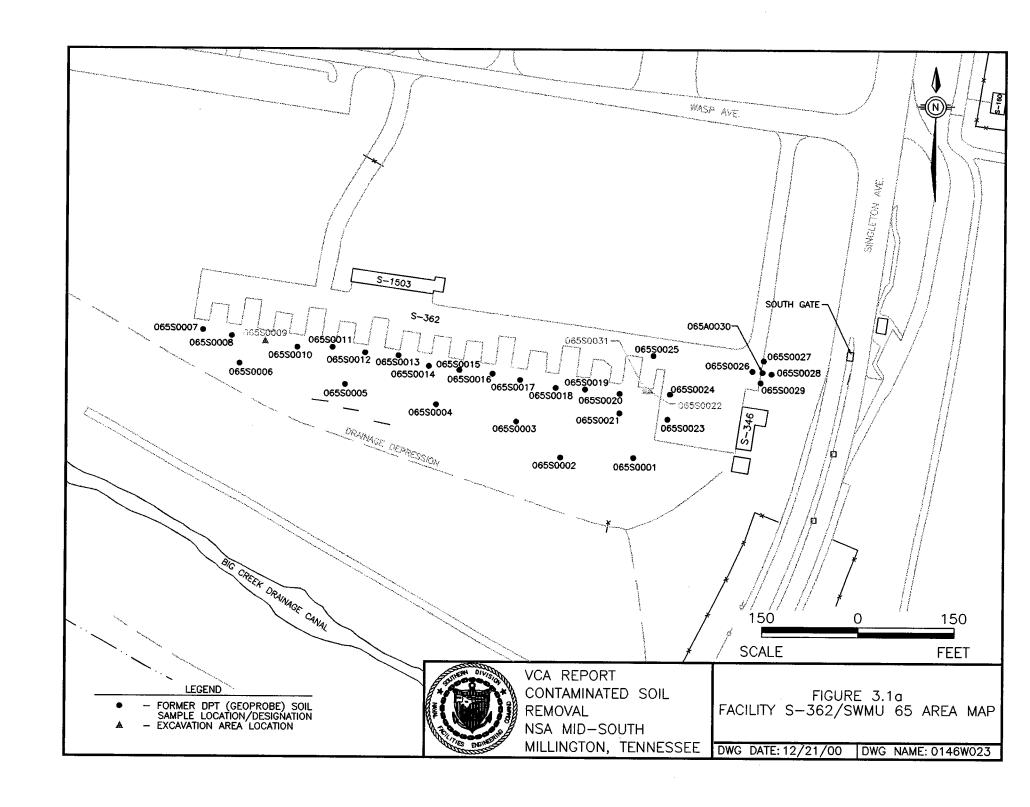
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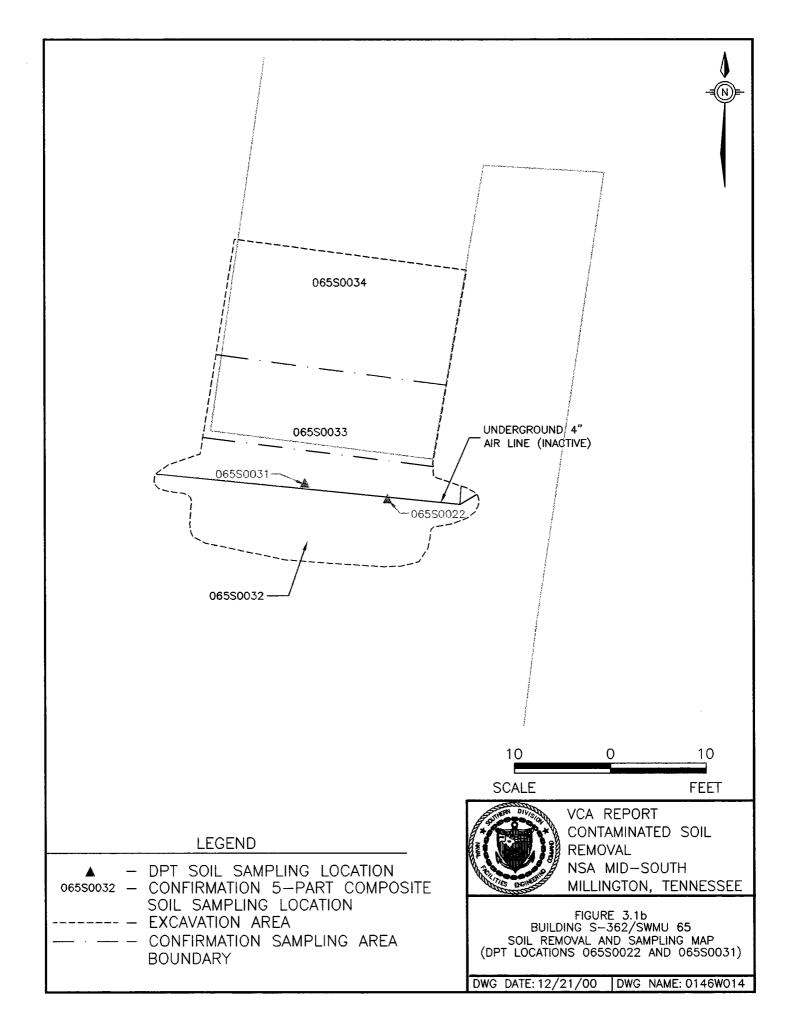
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During excavation, a 4-inch steel pipe was encountered at a depth of approximately 3 feet bls. The pipe ran east-west, approximately 8 feet south of the concrete test pad. The pipe was determined to be a former compressed air line used to start aircraft engines and it was removed.

The contamination primarily extended north from the excavation area under the concrete pad; therefore, a 20- by 25-foot section of the concrete pad was removed and all visibly stained soil beneath it was excavated. The depth of petroleum contamination decreased as the excavation continued north. The deepest excavation area was approximately 10 feet bls and sloped upward to 1 foot at the north side of the excavation area. The TPH analyzer was used to confirm that the soil in the excavation sidewalls and bottom were less than the applicable cleanup level. Approximately 248 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203 on the NSA Mid-South Southside, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage.

Monitoring wells 065G01UA, 065G02UA, 065G03UA, and 065G04UA (Figure 3.1b) were abandoned because of the petroleum contamination extending into these areas. The wells were properly abandoned on March 16, 2000, by Tri-State Testing, Inc. of Memphis. The wells were filled with cement/bentonite grout using a bottom discharge tremie pipe, and permanently closed in accordance with the Memphis and Shelby County Health Department's regulations for well abandonment. See Appendix B of this report for a copy of the well-abandonment documentation.

Former Sample Location 065S0009

The second soil-removal area at SWMU 65, the area around DPT sample location 065S0009, was excavated to dimensions of 5 feet square by 2 feet deep, as required in the *VCA Work Plan* (EnSafe, June 1999). The excavation and sampling locations are shown on Figure 3.1c. The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used 25

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to confirm that soil concentrations of TPH in the excavation sidewalls and bottom were less than the applicable cleanup level. Approximately 2 cubic yards of soil were removed from the area and staged at Building S-203 for temporary storage as described above for soil from the JP-5 spill area.

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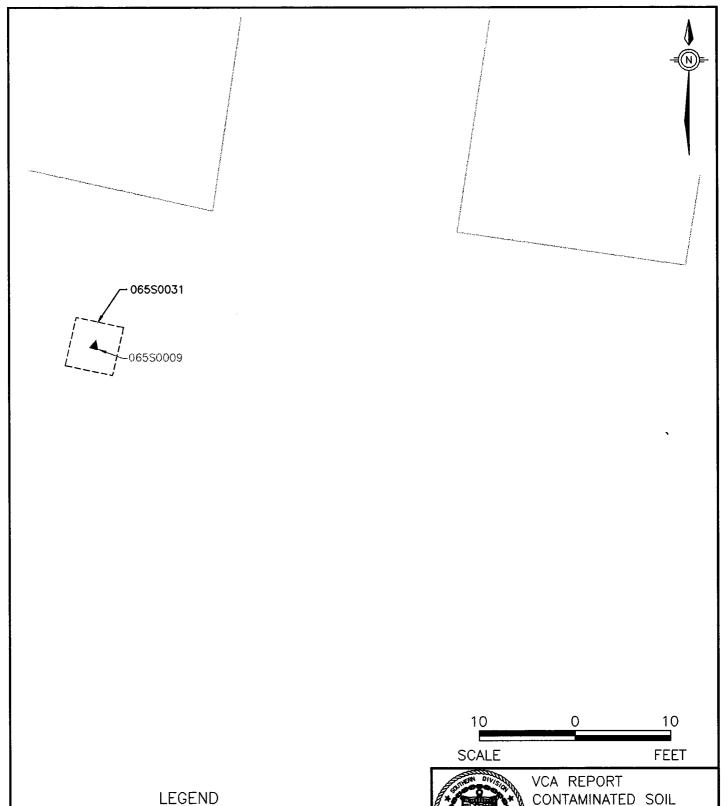
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3.1.3 Sample Results

Following excavation, confirmation soil samples were collected from both SWMU 65 excavation areas for Appendix IX metals analysis. Table 3.1 lists the confirmation-sampling results, which can be compared with the RCs in the top row. Sample locations are shown on Figures 3.1b and 3.1c. In the first excavation (the JP-5 spill area), the sidewall areas were minimal because the excavation sloped in all directions; therefore, the excavation cavity was divided into three sections (south, central, and north). One five-part composite sample was collected from each section for confirmation metals and TPH analyses. Another five-part composite confirmation soil sample was collected from the second excavation (former sample location 065S0009). The composite samples collected from the JP-5 spill area (sample ID 065S003402) exceeded the NSA Mid-South RC for chromium (23.9 mg/kg). However, chromium concentrations were less than its residential (230 mg/kg) and industrial (6,100 mg/kg) RBCs. All arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. In all remaining samples, soil metals results were less than their RCs. All confirmation TPH results were less than the applicable soil cleanup level (500 mg/kg at depths greater than 5 feet bls and 100 mg/kg at depths less than 5 feet bls). Laboratory reports and associated chain-of-custody forms are provided in Appendix A of this report.

The excavation was backfilled with pea gravel after the soil was removed. Clean soil was placed on the surface of the excavation, which was seeded and fertilized. New concrete was placed back in the area from which it was removed. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.



- DPT SOIL SAMPLING LOCATION 065S0031 - CONFIRMATION 5-PART COMPOSITE SOIL SAMPLING LOCATION

EXCAVATION AREA/TRENCHING AREA

CONTAMINATED SOIL REMOVAL NSA MID-SOUTH MILLINGTON, TENNESSEE

FIGURE 3.1c BUILDING S-362/SWMU 65 SOIL REMOVAL AND SAMPLING MAP (DPT LOCATION 065S0009)

DWG DATE: 12/21/00 | DWG NAME: 0146W013

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On March 24, 2000, EnSafe personnel sampled the soil stockpile for toxicity characteristic leaching procedure (TCLP) lead and benzene analyses. The stockpile was divided into four equal sections and sampled. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC Division of Solid Waste Management (DSWM) and Allied Waste of Scottsdale, Arizona, for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for SWMU 65 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

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3.2 Facility S-235

3.2.1 Site Description

Building S-235 is a corrugated metal, frame structure on a concrete slab located on the NSA Mid-South Southside. Approximately 30 feet from the southwest corner of the building and approximately 200 feet southwest of the former location of SWMU 59 (old pesticide shop) is a set of former car maintenance ramps surrounded by grass and asphalt. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, 1999). Figure 1.1 (shown earlier) depicts the location of Building S-235.

The area of the former car maintenance ramps was addressed during the Building S-235 soil removal. No samples had been collected previously from the area. However, site histories and site conditions supported the belief that petroleum releases have occurred at the subject area. Therefore, these areas were excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

Additionally, a grassy area southwest of Building S-235 was suspected of containing underground storage tanks (USTs). A geophysical survey identified several areas of buried metals and exploratory digging was conducted. The site description, geophysical survey, and removal activities are detailed in Section 3.14 and Appendix D.

3.2.2 Removal Activities

The area of suspected petroleum contamination was excavated from September 10 to 14, 1999, to the following dimensions: 11 feet wide at the north wall, 17 feet wide at the south wall, 40 feet long and 4 feet deep (Figure 3.2). Excavation began with the removal of the car maintenance ramps. During removal of the ramps, petroleum-contaminated soil was discovered beneath the ramps, confirming suspicions of a release. Table 3.2 displays the confirmation sampling results, sample IDs, depths, and RCs for metals.

Table 3.2 S-235 — Confirmation Sampling Results (in mg/kg)						
		Reference Concentration Values				
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)
Location	14.70	1.54	23.90	24.20	26.00	NA.
East excavation wall Sample ID: 235SEWAL03 Average Depth: 3 feet	6.72	< 0.57	11.10	12.40	9.98	NT
West excavation wall Sample ID: 235SWWAL03 Average Depth: 3 feet	<4.2	<0.57	9.06	10.60	44.08	NT
South excavation wall Sample ID: 235SSWAL03 Average Depth: 3 feet	9.27	<0.57	5.47	11.90	8.49	NT
North excavation wall Sample ID: 235SNWAL03 Average Depth: 3 feet	6.90	<0.57	10.50	9.82	8.73	NT
Northeast excavation bottom Sample ID: 235SONEC03 Average Depth: 3 feet	6.10	<0.57	9.52	9.73	7.62	NT
Northwest excavation bottom Sample ID: 235SONWC03 Average Depth: 3 feet	7.14	<0.57	12.30	11.50	9.79	NT
Southeast excavation bottom Sample ID: 235SOSEC05 Average Depth: 5 feet	12.50	<0.57	21.70	19.60	33.40	NT
Southwest excavation bottom Sample ID: 235SOSWC05 Average Depth: 5 feet	13.40	0.66	16.80	16.60	13.50	NT

Notes:

Bold = Exceeds RC

Total Petroleum Hydrocarbons TPH

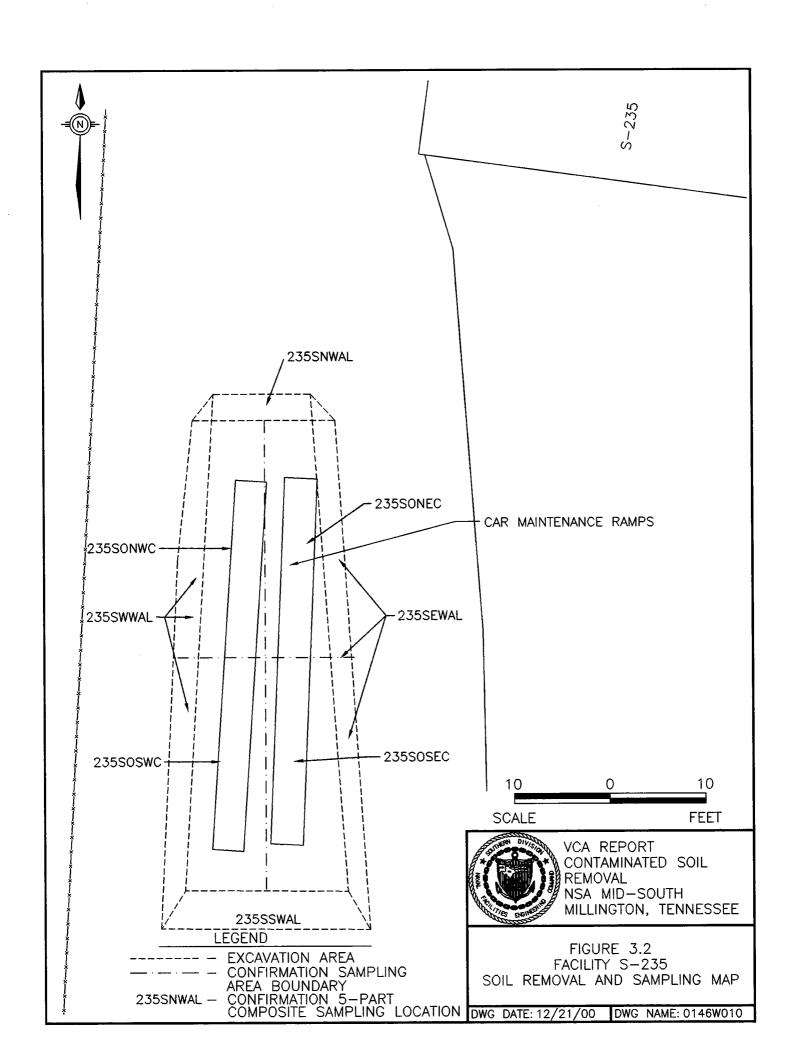
Not Tested NT Not Applicable NA

The excavated soils were stained and the TPH analyzer indicated the soil exceeded the established cleanup levels (500 mg/kg at depths greater than 5 feet bls and 100 mg/kg at depths less than 5 feet bls). Therefore, the excavation continued until TPH concentrations were less than the applicable cleanup level. Approximately 41 cubic yards of soil were removed from the area and staged near Building S-235 for temporary storage as previously described for the S-362/SWMU 65 excavations. Excavation and transportation was conducted by Murphy Environmental Services, Inc. of Memphis, Tennessee.

3.2.3 Sample Results

Following excavation activities, confirmation soil samples were collected from the Building S-235 excavation area for Appendix IX metals analysis. Table 3.2 lists the confirmation sampling results and Figure 3.2 shows the sample locations. Eight, five-part composite samples were collected from the excavation for confirmation soil-metals analyses. Composite samples were collected from each excavation sidewall and each bottom corner. The composite samples collected from locations 235SOSEC and 235SWWAL exceeded the NSA Mid-South RC for lead (26 mg/kg). However, lead concentrations were less than its action level (400 mg/kg) established by the USEPA OSWER in Directive 9355.4-12 (USEPA, May 1996). In all remaining samples, soil metals results were less than their RCs. Confirmation TPH samples were not collected; however, the TPH analyzer confirmed that all areas of the excavation were removed to less than 100 mg/kg during removal activities. Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.

The excavation was backfilled with clean fill after the contaminated soil was removed. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.



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On September 15, 1999, EnSafe personnel sampled the soil stockpile for TCLP lead and benzene analyses. EnSafe submitted applications with the TCLP results to the TDEC DSWM and Allied Waste for disposal approval. The TCLP lead results exceeded the 5 mg/kg limit for nonhazardous landfill approval. Therefore, the application, including TCLP results, were submitted to Excel TSD, Inc. located in Memphis, Tennessee, an approved hazardous-waste handling facility. Upon approval, Excel TSD, Inc. properly disposed of the soil excavated at Facility S-235. Copies of the disposal manifests for S-235 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

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3.3 S-394 — Former Hazardous Waste Accumulation Point

3.3.1 Site Description

Building S-394 was a 8,400-square-foot, metal structure built on a concrete slab on the NSA Mid-South Southside; it was previously used as a mechanical maintenance shop. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of Building S-394.

One area was addressed during the Building S-394 soil removal: DPT soil sample location 394S0002, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1-foot-depth interval. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.3.2 Removal Activities

One area at Building S-394 (Figure 3.3) was excavated on May 9, 2000: the area around DPT sample location 394S0002. The soil-removal area was excavated to a dimension of 10 feet by 10 feet and a depth of 1 foot bls as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that soil left in the excavation had TPH concentrations less than the applicable cleanup level (100 mg/kg). Approximately 12 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.3 displays the confirmation sampling results, sample IDs, locations, depths, and RCs for metals.

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Table 3.3 S-394 — Confirmation Sampling Results (in mg/kg)								
		Reference Concentration Values						
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)		
Location	14.70	1.54	23.90	24.20	26.00	NA.		
Former sample location 394S000201 Sample ID: 394S000401 Average Depth: 1 foot	<50	<2.50	19.20	10.40	27.60	15		

Notes:

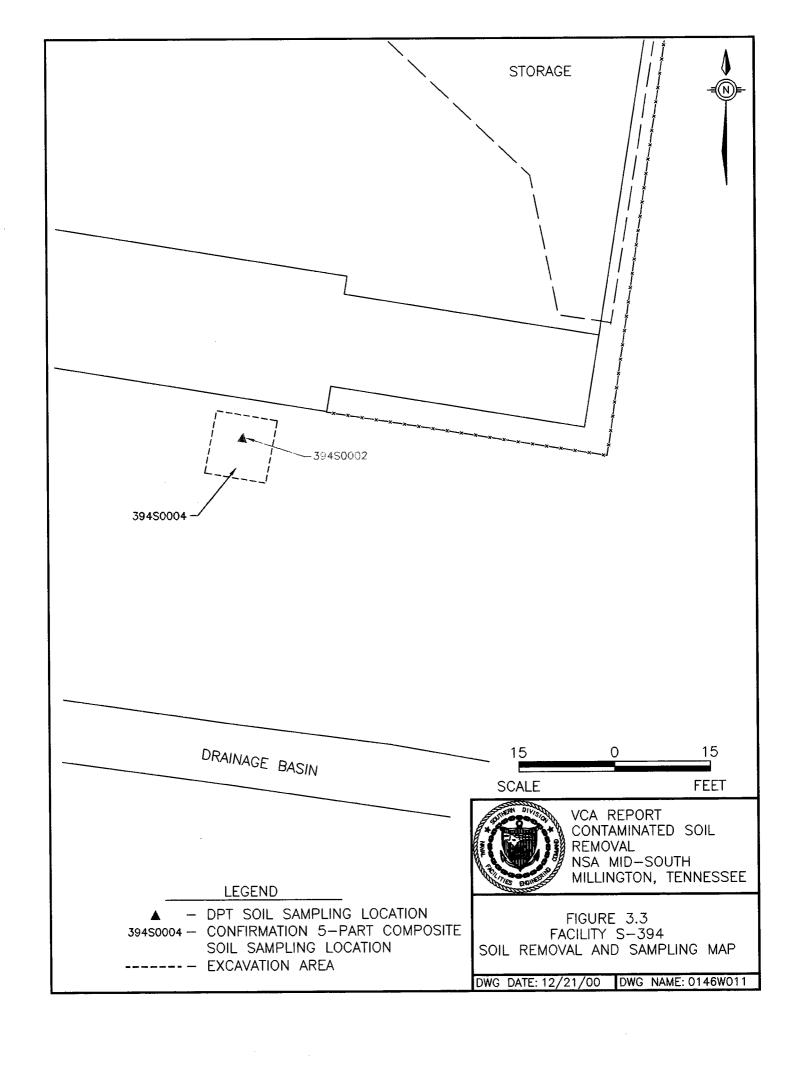
Bold = Exceeds RC

TPH = Total Petroleum Hydrocarbons

3.3.3 Sample Results

Following excavation, confirmation soil samples were collected from the Building S-394 excavation area for Appendix IX metals analysis. Table 3.3 lists the confirmation sampling results, which can be compared with the RCs in the top row. Sample locations are shown on Figure 3.3. One, five-part composite sample was collected from the excavation for confirmation metals and TPH analyses. The composite sample included soils from the excavation bottom and sidewalls. The composite sample exceeded the NSA Mid-South's RC for lead (26 mg/kg). However, the lead concentration was less than its action level (400 mg/kg) established by the USEPA OSWER in Directive 9355.4-12 (USEPA, May 1996).

The arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. The remaining soil-metals results were less than their RCs. All confirmation TPH results were less than the applicable cleanup level (100 mg/kg). Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.



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The excavation was backfilled with clean fill after the soil was removed, and the surface was seeded and fertilized. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.

On May 9, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for S-394 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

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3.4 Facility N-114 (Auto Hobby Shop)/ SWMU 24

3.4.1 Site Description

Facility N-114 on the NSA Mid-South Northside is used by base personnel to maintain personal automobiles, and SWMU 24 formerly consisted of two aboveground waste-oil tanks between Building N-114 and Building N-349. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of Facility N-114/SWMU 24.

Two areas were addressed during the Facility N-114/SWMU 24 soil removal: DPT soil-sample locations 024S0001, 024S0002, 024S0003, 024S0004, and 024S0005 (the area between Facilities N-114 and N-349) and DPT soil-sample location 114S0001 (the area adjacent to the northwest corner of Facility N-114). DPT sample locations 114S0001, 024S0001, 024S0002, 024S0003, 024S0004, and 024S0005 were previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 5-foot-depth interval. DPT sample locations 024S0002 and 024S0004 were identified as containing soil with petroleum concentrations exceeding 500 mg/kg TPH below depths of 5 feet. Therefore, these areas were excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.4.2 Removal Activities

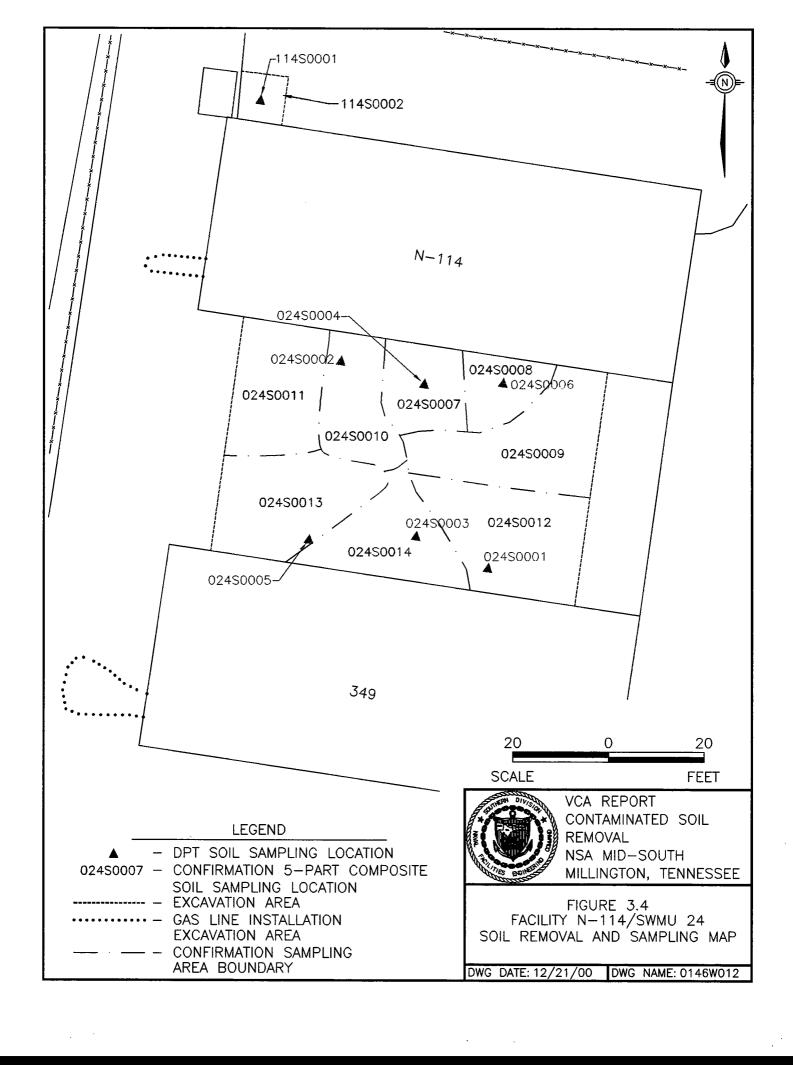
Two areas within Facility N-114/SWMU 24 (Figure 3.4) were excavated from 19 May 11 to 16, 2000: the area between Buildings N-114 and N-349, which encompasses 20 DPT sample locations 024S0001, 024S0002, 024S0003, 024S0004, and 024S0005, and the area 21 at Facility N-114/SWMU 24 which encompasses sample location 114S0001. Table 3.4 displays 22 the confirmation sampling results, sample IDs, locations, depths, and RCs.

Table 3.4 N-114/SWMU 24 — Confirmation Sampling Results (in mg/kg)							
	Reference Concentration Values						
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)	
Location	14.70	1.54	23.90	24.20	26.00	NA.	
Excavation Between Buildings N-114 and N-349							
Former sample location 024S0004 Sample ID: 024S000708 Average Depth: 8 feet	< 50	<2.5	14.20	15.90	26.00	50	
Former sample location 024S0006 Sample ID: 024S000803 Average Depth: 3 feet	<50	<2.5	12.30	16.60	<25	4	
Northeast excavation area Sample ID: 024S000902 Average Depth: 2 feet	< 50	<2.5	15.00	16.80	<25	3	
Northwest excavation area Sample ID: 024S001002 Average Depth: 2 feet	< 50	<2.5	15.40	16.30	<25	6	
West excavation area Sample ID: 024S001102 Average Depth: 2 feet	<50	<2.5	12.50	13.80	<25	11	
Southeast excavation area Sample ID: 024S001202 Average Depth: 2 feet	< 50	<2.5	14.60	21.50	<25	10	
Southwest excavation area Sample ID: 024S001302 Average Depth: 2 feet	< 50	<2.5	13.20	18.40	<25	<1	
South excavation area Sample ID: 024S001404 Average Depth: 4 feet	< 50	<2.5	13.50	17.00	<25	5	
Excavation Area Adjacent to the Northwest Corner of Building N-114							
Sample ID: 114S000203 Average Depth: 3 feet	<50	<2.5	14.00	22.50	75.80	<1	

Notes:

Bold Exceeds RC

Total Petroleum Hydrocarbons TPH



Area Between Buildings N-114 and 349

The first removal area at Facility N-114/SWMU 24, the area between Buildings N-114 and N-349, which encompasses DPT sample locations 024S0001, 024S0002, 024S0003, 024S0004, and 024S0005, was excavated to dimensions of 50 by 70 feet and an average depth of 2 feet bls. All excavation-dimension requirements listed in the *VCA Work Plan* (EnSafe, June 1999) were accomplished at Facility N-114/SWMU 24. Excavation began with an approximately 10-foot square and 5-foot-deep area centered at DPT sample location 024S0002 (Figure 3.4). A petroleum odor emanated from the stained soil that was excavated, and the TPH analyzer indicated that the soil exceeded the established cleanup levels (500 mg/kg at depths greater than 5 feet bls and 100 mg/kg at depths less than 5 feet bls). Therefore, the excavation continued horizontally and vertically until TPH concentrations were less than the applicable cleanup level. Contaminated soil extended east and south at shallow depths from the initial excavation area. The contaminated soil was also concentrated near the former oil-change rack areas. The TPH analyzer indicated petroleum contamination exceeded the cleanup levels to a depth of approximately 6 feet bls beneath the rack area.

The same trend was observed in the southern portion of the excavation as it neared the rack area adjacent to the north side of Building N-349. Petroleum contamination extended to a depth of approximately 6 feet bls beneath the rack area and progressively became shallower extending away from the rack area. The contamination primarily extended east and north at shallow depths from DPT sample location 024S0005. The TPH analyzer was used to confirm that soil in the excavation sidewalls and bottom contained TPH concentrations that were less than the applicable cleanup level. Approximately 72 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203 on the NSA Mid-South Southside, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage.

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Area North of Facility N-114

The second soil-removal area at Facility N-114/SWMU 24, the area around DPT sample location 114S0001, was excavated to a dimension of 10 feet square by 2 feet deep, as required in the *VCA Work Plan* (Ensafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that concentrations of TPH in soil in the excavation sidewalls and bottom were less than the applicable cleanup level (100 mg/kg). Approximately 8 cubic yards of soil were removed from the area and staged at Building S-203 on the NSA Mid-South Southside for temporary storage, as described above for soil from the S-236/SWMU 65 removal area.

3.4.3 Sample Results

Following excavation activities, confirmation soil samples were collected from both Facility N-114/SWMU 24 excavation areas for Appendix IX metals analysis. Table 3.4 displays the confirmation sampling results, which can be compared with the RCs in the top row. In the first excavation (the area between Buildings N-114 and 349), eight, five-part composite samples were collected for confirmation metals and TPH analyses (Figure 3.4). Three biased samples (024S000708, 024S000803, and 024S001404) were collected from locations that exhibited elevated TPH concentrations that extended below 2 feet bls. The remaining five samples were collected at locations equally divided throughout the excavation. In the excavation adjacent to the northwest corner of Building N-114, one confirmation soil sample was collected. The composite sample collected from location 114S0002 in this excavation exceeded the RC for lead (26 mg/kg). However, the lead concentration was less than its action level (400 mg/kg) established by the USEPA OSWER in Directive 9355.4-12 (USEPA, May 1996). All arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium are greater than their NSA Mid-South RCs, as discussed in Section 2.2. In all remaining samples, soil-metals results were less than their RCs.

All confirmation TPH results were less than the applicable cleanup level. Laboratory reports and associated chain-of-custody forms are included in Appendix A of this report.

The excavations were backfilled with pea gravel after the soil was removed. New asphalt was laid back in the area from which it was removed between Buildings N-114 and 349. Temporary fencing and barricades were placed around the excavations during all excavation and construction activities.

On May 17, 2000, EnSafe personnel sampled the Facility N-114/SWMU 24 soil stockpiles for TCLP metals and benzene analyses. The stockpile was divided into two equal sections and sampled. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSWM and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for N-114/SWMU 24 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

3.4.4 Utility Line Installation

During a natural gas line installation at SWMU 24 on August 11, 1999, petroleum-contaminated soil was discovered adjacent to the west sides of Buildings N-114 and N-349. A petroleum odor emanated from the stained soil that was excavated. A photo-ionization detector (PID) was used to confirm petroleum contamination. The excavation activities for the gas-line installation were temporarily postponed.

On September 7, 1999, Murphy Environmental Services, Inc. and EnSafe personnel were onsite 22 to excavate the petroleum-contaminated soil discovered during the gas-line installation. 23 Approximately 19 cubic yards was excavated from an area 8 feet long by 17 feet wide by 24

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3.5 feet deep on the west side of Building 349. On September 8, 1999, approximately 6 cubic yards was excavated from an area 4.5 feet wide by 12 feet long by 3 feet deep adjacent to the west side of Building N-114. The TPH analyzer was used to confirm soil contamination and guide the excavation process. All petroleum-impacted soils exceeding the site-specific TDEC action level of 500 mg/kg TPH were removed. In all, approximately 25 cubic yards of soil were removed from the two areas and temporarily staged adjacent to the south side of Building 349. The soil was placed on plastic, covered with plastic, and then bermed with straw for temporary storage.

The excavations were backfilled with gravel after the soil removal was complete. The gas line was installed and the area was resurfaced. Temporary fencing and barricades were placed around the excavations during all excavation and construction activities.

On September 15, 1999, EnSafe personnel sampled the SWMU 24 gas-line excavation soil stockpiles for TCLP metals and benzene analyses. The results and applications were submitted to the TDEC DSWM and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum contaminated soil to Allied Waste in Millington, Tennessee, for disposal.

3.5 Facility N-1211

3.5.1 Site Description

Facility N-1211 is a 4,320-square-foot wood-framed structure built on a concrete slab floor in 1958. It is used for storage and as a golf-course equipment maintenance shop by the Morale, Welfare, and Recreation (MWR) department. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of Facility N-1211.

Two areas were addressed during the Facility N-1211 soil removal: DPT soil-sample locations 174S0002 and 174S0004 (Figure 3.5). DPT sample locations 174S0002 and 174S0004 were previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1-foot-depth interval. Therefore, these areas were excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.5.2 Removal Activities

Two areas within the Facility N-1211 complex (Figure 3.5) were excavated from February 25 to March 1, 2000: DPT soil-sample locations 174S0002 and 174S0004. Table 3.5 displays the confirmation sampling results, sample IDs, locations, depths, and RCs for metals.

Sample Location 174S0004 Area

The first soil-removal area at Facility N-1211, the area around DPT sample location 174S0004, was excavated to dimensions of 90 by 20 feet and an average depth of 3 feet bls. The excavation began with a 10-foot square and 2-foot-deep area within the spill area, as indicated in the *VCA Work Plan* (EnSafe, June 1999). A petroleum odor emanated from the stained soil that was excavated, and the TPH analyzer indicated that the soil contained TPH concentrations exceeding the established cleanup level (500 mg/kg at depths greater than 5 feet bls and 100 mg/kg at depths less than 5 feet bls). Therefore, the excavation continued horizontally and vertically until TPH concentrations were less than the cleanup level.

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Table 3.5 N-1211 — Confirmation Sampling Results (in mg/kg)							
	Reference Concentration Values						
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)	
Location	14.70	1.54	23.90	24.20	26.00	NA.	
Former Sample Location 174S0002							
Sample ID: 174S000501 Average Depth: 1 foot	<50	<2.5	13.50	NT	27.30	49	
Former Sample Location 174S0002							
West excavation area Sample ID: 174S000601 Average Depth: 3 feet	<50	<2.5	15.70	NT	<25	30	
Central excavation area Sample ID: 174S000701 Average Depth: 3 feet	< 50	<2.5	10.80	NT	<25	55	
East excavation area Sample ID: 174S000801 Average Depth: 3 feet	< 50	<2.5	15.00	NT	50.40	25	

Notes:

Bold = Exceeds RC

TPH = Total Petroleum Hydrocarbons

NT = Not Tested NA = Not Applicable

The contamination in the sample 174S0004 area primarily extended westward adjacent to the south edge of the pavement, and extended vertically at varying depths. The excavation extended to a maximum depth of approximately 8 feet at two locations: the westernmost area of the excavation and an area centered around former sample location 174S0004. Figure 3.5 displays the excavation areas. The TPH analyzer was used to confirm that TPH concentrations in the soil in the excavation sidewalls and bottom were less than the applicable cleanup level. Approximately 170 cubic yards of soil were removed from the area and staged in the grassy area adjacent to the east of Building N-1740 for temporary storage (Figure 3.5). The soil was staged on plastic, covered with plastic, and then bermed with straw.

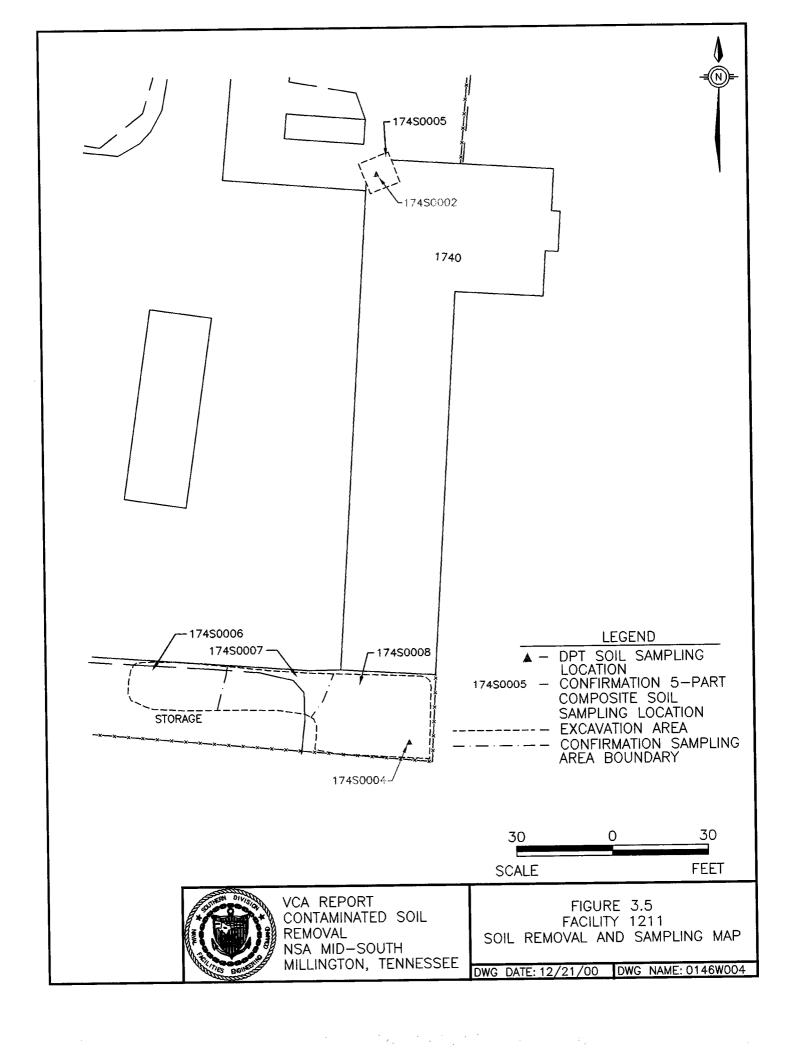
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Sample Location 174S0002 Area

The second soil-removal area at Facility N-1211, the area around DPT sample location 174S0002, was excavated to dimensions of 10 feet square by 1 foot deep, as required in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that concentrations of TPH in soil in the excavation sidewalls and bottom were less than the applicable cleanup level. Approximately 4 cubic yards of soil were removed from the area and staged with the excavated soil from the 174S0004 area for temporary storage.

3.5.3 Sample Results

Following excavation, confirmation soil samples were collected from both Facility N-1211 excavation areas for Appendix IX metals and TPH analyses. Table 3.5 displays the confirmation-sampling results, which can be compared with the NSA Mid-South RCs in the top row. Sample locations are shown on Figure 3.5. In the first excavation (DPT sample 174S0004 excavation area), the excavation cavity was divided into three sections (west, central, and east). One, five-part composite sample was collected from each section. These three composite samples included soils from the excavation bottom and sidewalls. Another five-part composite confirmation soil sample was collected from the second excavation (former DPT sample location 174S0002).

The composite samples collected from locations 174S000501 and 174S000801 exceeded the RC for lead (26 mg/kg). However, lead concentrations in the samples were less than the action level (400 mg/kg) established by the USEPA OSWER in Directive 9355.4-12 (USEPA, May 1996). All arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceeded their NSA Mid-South RCs, as discussed in Section 2.2. In all remaining samples, soil metals results were less than their RCs. All confirmation TPH results were less than the

applicable cleanup level. Laboratory reports and associated chain-of-custody forms are included in Appendix A of this report.

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The excavations were backfilled with clean fill after the soil was removed. Clean soil was placed at the surface of the excavations and the surfaces were seeded and fertilized. Temporary fencing and barricades were placed around the excavations during all excavation and construction activities.

On March 14, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The stockpile was divided into two equal sections and sampled. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSWM and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for N-1211 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

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3.6 Facility N-105

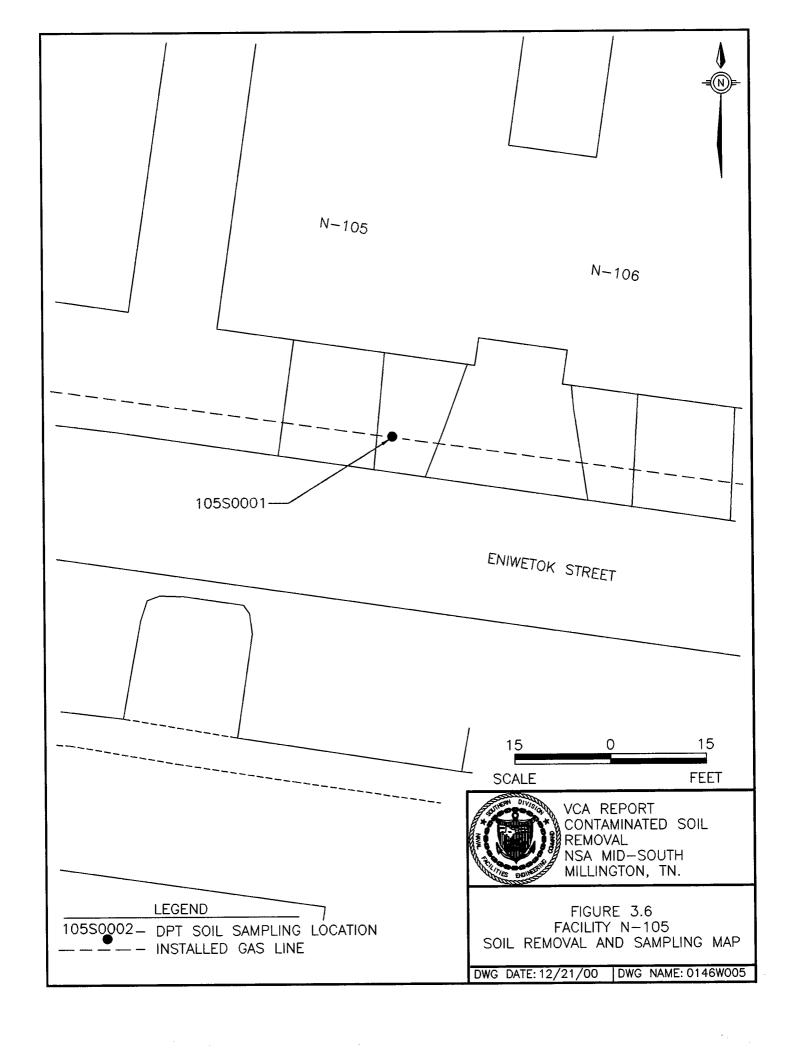
3.6.1 Site Description

Facility N-105 is a 4,000-square-foot steel frame Quonset hut currently used to store office furniture and supplies on the NSA Mid-South Northside. Previously, the site was used for corrosion-control training. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of Facility N-105.

One area was addressed during the Facility N-105 soil removal: DPT soil-sample location 105S0001, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1- foot-depth interval. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.6.2 Removal Activities

During a gas-line utility installation on August 11, 1999, the area of DPT sample location 105S0001 was excavated. The excavated soil was not visibly stained and had no petroleum odor. Soil samples collected from the area were screened for volatiles using a PID. Soil screening revealed no detected volatile concentrations in the samples collected. Therefore, a petroleum-contaminated soil removal, including confirmatory sampling, was not conducted. Figure 3.6 shows a detailed site map of the Facility N-105 area.



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3.7 Facility N-108 (Maintenance Shop)

3.7.1 Site Description

Facility N-108 is also a Quonset hut (identical to N-105) that houses offices and a maintenance shop where electrical parts (generators) are repaired. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan*. Figure 1.1 (shown earlier) depicts the location of N-108.

One area was addressed during the Facility N-108 soil removal: DPT soil-sample location 108S0002, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1- foot-depth interval. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.7.2 Removal Activities

The soil-removal area was excavated to dimensions of 5 by 5 feet and a depth of 2 feet bls (Figure 3.7), as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that TPH concentrations in soil in the excavation were less than the applicable cleanup level (100 mg/kg). Approximately 2 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.6 displays the confirmation sampling results, sample IDs, locations, depths, and RCs.

3.7.3 Sample Results

Following excavation, confirmation soil samples were collected from the Facility N-108 excavation area for Appendix IX metals and TPH analyses. Table 3.6 lists the confirmation sampling results, which can be compared with the NSA Mid-South RCs in the top row. Sample locations are shown on Figure 3.7. One, five-part composite sample was collected from the excavation for confirmation metals and TPH analyses. The composite samples

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Table 3.6 N-108 — Confirmation Sampling Results (in mg/kg)							
	Reference Concentration Values						
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)	
Location	14.70	1.54	23.90	24.20	26.00	NA.	
Former sample location 108S0002 Sample ID: 108S000302 Average Depth: 2 feet	<50	<2.5	16.50	26.60	<25	8	

Notes:

Bold = Exceeds RC

TPH = Total Petroleum Hydrocarbons

NA = Not Applicable

included soils from the excavation bottom and sidewalls. The composite sample collected from location 108S000302 exceeded the NSA Mid-South RC for copper (24.2 mg/kg). However, the concentration of copper was less than its residential (310 mg/kg) and industrial (8,200 mg/kg) RBCs. The arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. The remaining soil-metals results were less than their RCs. All confirmation TPH results were less than the applicable cleanup level. Laboratory reports and associated chain-of-custody forms are provided in Appendix A of this report.

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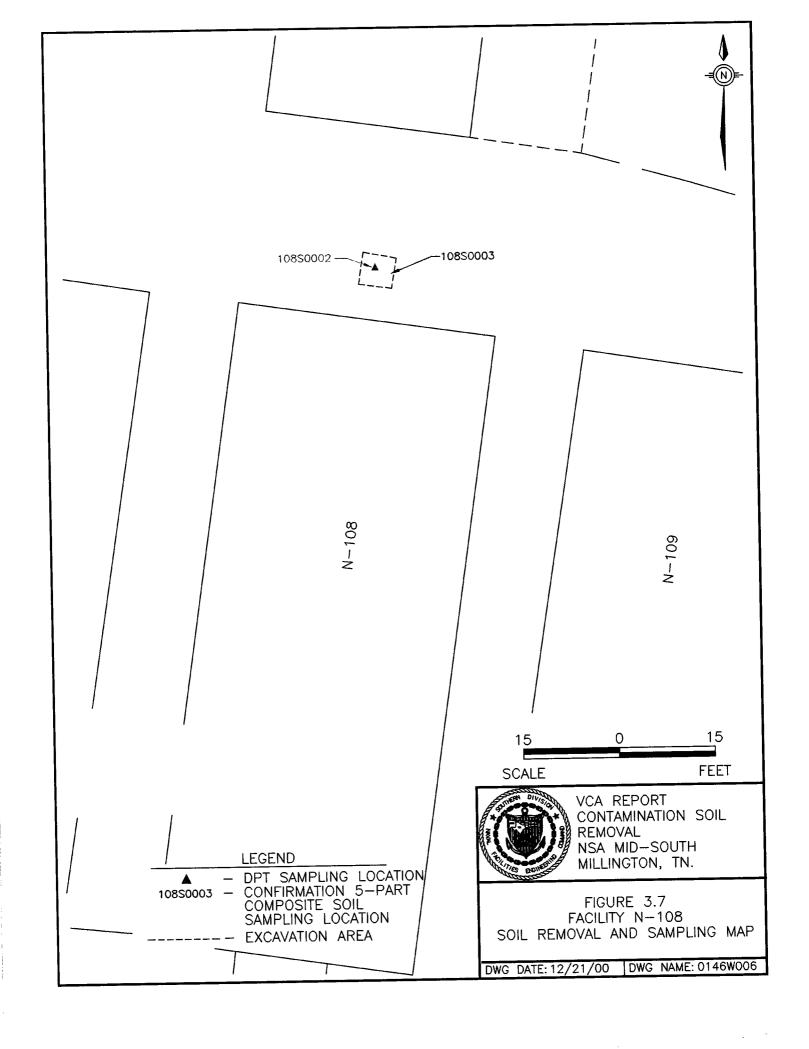
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The excavation was backfilled with clean fill after the soil was removed, and the surface was seeded and fertilized. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.

On May 4, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for N-108 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.



3.8 Facility S-203 — Quonset Hut (Storage)

3.8.1 Site Description

Facility S-203 is located on the NSA Mid-South Southside and is currently used as the Hazardous Material Minimization Center and the Hazardous Waste Accumulation Area of the Base Operations Services Contractor. This 9,000-square-foot Quonset hut was built in 1947 and was previously used to store various supplies, including flammable liquids. The nearby Facility S-219, a small 546-square-foot brick structure built in 1949, was used to store petroleum, oils, and lubricants (POLs). Facility 1470, another nearby structure, is a metal cage on top of a 3-foot high concrete slab, which is currently not in use. Facilities S-219 and 1470 are associated with Facility S-203 because of their proximity and similar uses. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 depicts the location of Facility S-203.

One area was addressed during the Facility S-203 soil removal: DPT soil-sample location 203S0003, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1- foot-depth interval. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.8.2 Removal Activities

The soil-removal area was excavated to dimensions of 5 by 5 feet and a depth of 2 feet bls, as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that soil in the excavation contained TPH concentrations that were less than the applicable cleanup level (100 mg/kg). Approximately 2 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203 where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.7 displays the confirmation sampling results, sample IDs, locations, depths, and RCs.

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Table 3.7 S-203 — Confirmation Sampling Results (in mg/kg)								
	Reference Concentration Values							
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)		
Location	14.70	1.54	23.90	24.20	26.00	NA		
Former sample location 203S0004 Sample ID: 203S000402 Average Depth: 2 feet	< 50	<2.5	14.70	23.40	<25	21		

Note:

TPH = Total Petroleum Hydrocarbons

3.8.3 Sample Results

Following excavation, confirmation soil samples were collected from the Facility S-203 excavation area for Appendix IX metals and TPH analyses. Table 3.7 lists the confirmation sampling results, which can be compared with the NSA Mid-South RC in the top row. Sample locations are shown on Figure 3.8. One, five-part composite sample was collected from the excavation bottom and walls for confirmation soil-metals and TPH analyses. The arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. All remaining metals analyzed in the composite soil sample collected from location 203S000402 were less than their respective RCs and cleanup levels. All confirmation TPH results were less than the applicable cleanup level. Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.

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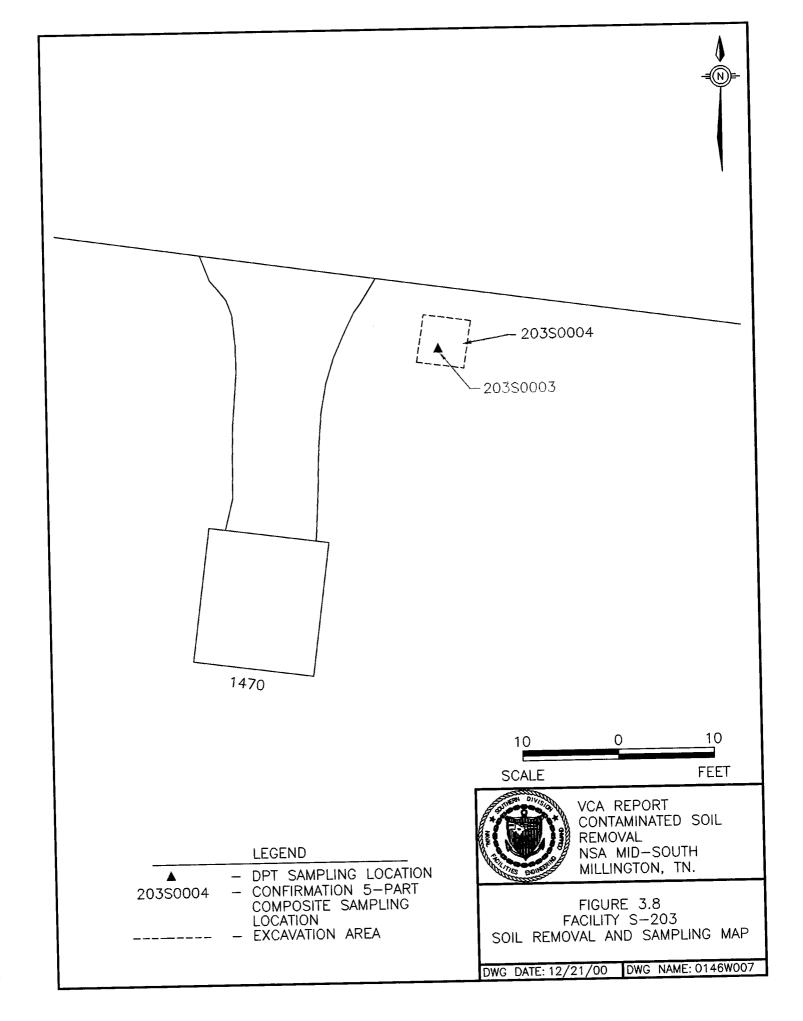
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The excavation was backfilled with clean fill after the soil was removed, and the surface was seeded and fertilized. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.



On May 4, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for S-203 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

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3.9 SWMU 41 — Salvage Yard No. 2

3.9.1 Site Description

SWMU 41 is an approximately 5,700-square-yard, asphalt-covered storage yard (Salvage Yard No. 2), designated as a nonhazardous storage area, near the southwest corner of the NSA Mid-South Southside (Figure 1.1). The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999).

One area was addressed during the SWMU 41 soil removal: DPT soil sample location 041S0012, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1- foot-depth interval. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.9.2 Removal Activities

The soil-removal area was excavated to dimensions of 5 by 5 feet and a depth of 2 feet bls (Figure 3.9), as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that soil in the excavation had concentrations of TPH that were less than the applicable cleanup level (100 mg/kg). Approximately 2 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203 where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.8 displays the confirmation sampling results, locations, depths, and RCs.

Table 3.8 SWMU 41 — Confirmation Sampling Results (in mg/kg)									
	Reference Concentration Values								
	Arsenic	Cadmium	Chromium Copper Le		Lead	d TPH (IR)			
Location	14.70	1.54	23.90	24.20	26.00	NA.			
Former sample location 041S0012 Sample ID: 041S001302 Average Depth: 2 feet	<50	<2.5	14.40	15.30	<25	2			

Notes:

TPH = Total Petroleum Hydrocarbons

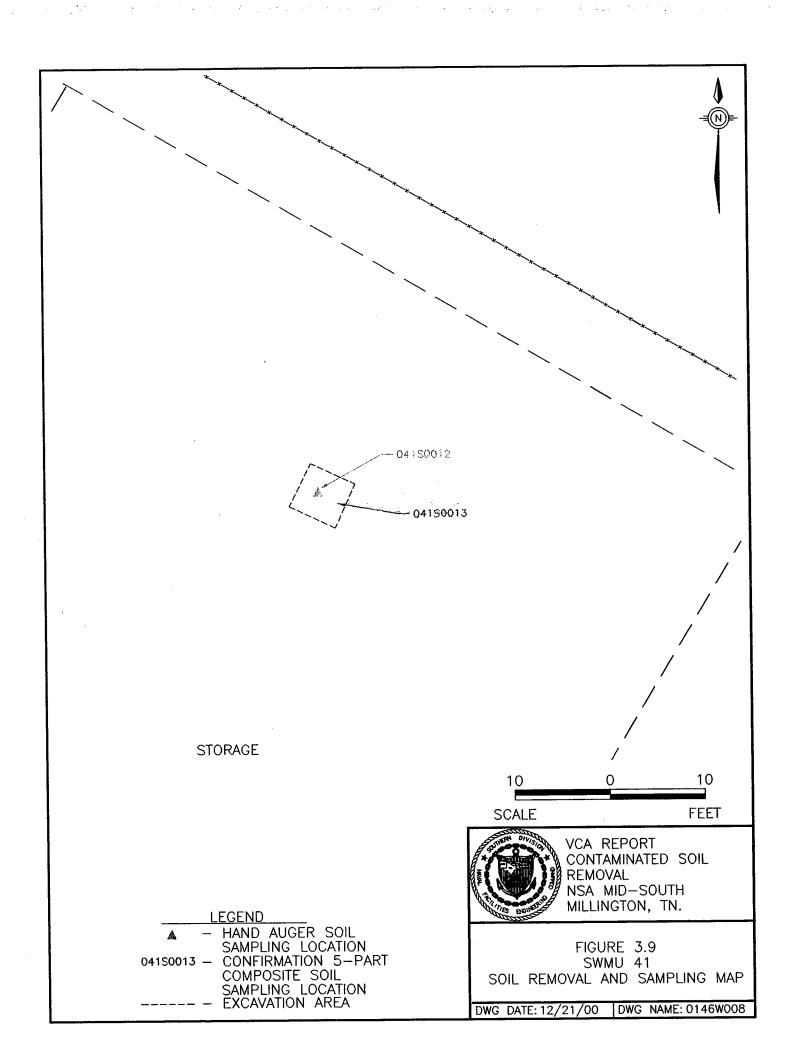
NA = Not Applicable

3.9.3 Sample Results

Following excavation, confirmation soil samples were collected from the SWMU 41 excavation area for Appendix IX metals and TPH analyses. Table 3.8 lists the confirmation-sampling results, which can be compared with the NSA Mid-South RCs in the top row. Sample locations are shown on Figure 3.9. One, five-part composite sample was collected from the excavation bottom and sidewalls. Arsenic and cadmium results were less than their laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. Concentrations of all remaining metals analyzed in the composite soil sample collected from location 041S0013 were less than their applicable RCs and cleanup levels. All confirmation TPH results were less than the applicable cleanup level (100 mg/kg). Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.

The excavation was backfilled with clean fill after the soil was removed. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.

On May 4, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for SWMU 41 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.



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3.10 SWMU 43 — Former Hazardous Waste Accumulation Point

3.10.1 Site Description

SWMU 43 is a former hazardous waste accumulation point along the west side of former Building S-176 on the NSA Mid-South Southside (Figure 1.1). The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan*.

One area was addressed during the SWMU 41 soil removal: DPT soil sample location 043S0002, which was previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1-foot and 3- to 4-foot depth intervals. Therefore, this area was excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.10.2 Removal Activities

The soil-removal area was excavated to dimensions of 5 by 5 feet and a depth of 4 feet bls (Figure 3.10), as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that soil in the excavation contained petroleum concentrations that were less than the applicable cleanup level. Approximately 4 cubic yards of soil were removed from the area and transported to the grassy area adjacent to the west side of Building S-203, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.9 displays the confirmation sampling results, sample IDs, locations, depths, and RCs for metals.

Table 3.9 SWMU 43 — Confirmation Sampling Results (in mg/kg)									
	Reference Concentration Values								
	Arsenic	Cadmium	Chromium	Copper	Lead	TPH (IR)			
Location	14.70	1.54	23.90	24.20	26.00	NA.			
Former sample location 043S0004 Sample ID: 041S000404 Average Depth: 4 feet	<50	<2.5	20.80	15.00	<25	9			

Notes:

TPH = Total Petroleum Hydrocarbons

NA = Not Applicable

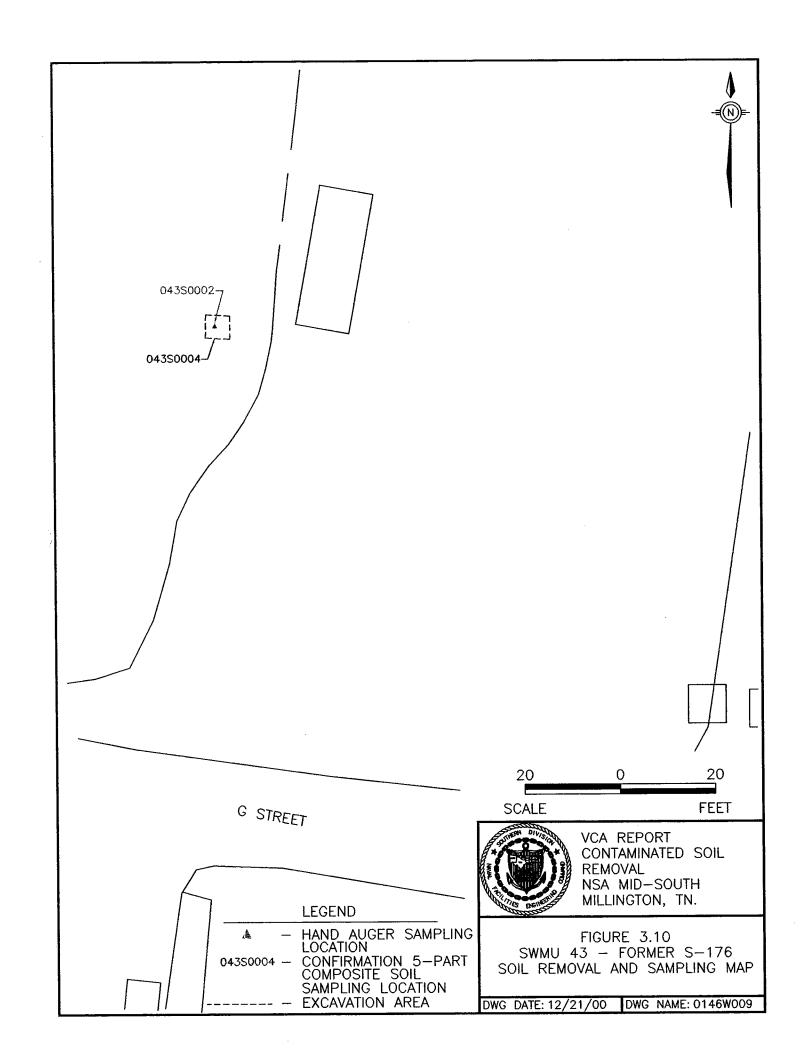
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3.10.3 Sample Results

Following excavation, confirmation soil samples were collected from the SWMU 43 excavation area for Appendix IX metals and TPH analyses. Table 3.9 lists the confirmation sampling results, which can be compared with the NSA Mid-South RC in the top row. Sample locations are shown on Figure 3.10. One, five-part composite sample was collected from the excavation for confirmation metals and TPH analyses. The composite samples included soils from the excavation bottom and sidewalls. Arsenic and cadmium results were less than their laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium exceed their RCs, as discussed in Section 2.2. The remaining soil metals results were less than their respective RCs. All confirmation TPH results were less than the applicable cleanup level (100 mg/kg). Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.

The excavation was backfilled with clean fill after the soil was removed. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.

On May 9, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, which then transferred them to the Corps. The Corps submitted applications with the TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for SWMU 43 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.



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3.11 SWMU 47 — Former Hazardous Waste Accumulation Point

3.11.1 Site Description

SWMU 47 is a former hazardous waste accumulation point on the south side of Building S-344 (former Seabees Compound), which is in the southwest corner of the NSA Mid-South Southside at the west end of Ticonderoga Street. The SWMU is a concrete pad area that abuts Building S-344 and joins a concrete wash rack. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of SWMU 47.

Two areas were addressed during the SWMU 47 soil removal: DPT soil sample locations 047S0002 and 047S0006, which were previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1-foot-depth interval. Therefore, these areas were excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.11.2 Removal Activities

Both SWMU 47 soil-removal areas, the areas of DPT sample locations 047S0002 and 047S0006, were excavated on September 9, 1999, to dimensions of 5 feet square and 2 feet bls (Figure 3.11), as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soil was not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that the soil in the excavations contained concentrations of petroleum that were less than the established cleanup level (100 mg/kg). Approximately 3 cubic yards of soil were removed from each area and staged adjacent to the east side of Building S-344. The material was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.10 displays the confirmation sampling results, sample IDs, locations, depths, and RCs.

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Table 3.10 SWMU 47 — Confirmation Sampling Results (in mg/kg)									
	Reference Concentration Values								
	Arsenic	Cadmium	Chromium	Copper	Lead	TN-EPH			
Location	14.70	1.54	23.90	24.20	26.00	NA.			
Former sample location 047S0006 Sample ID: 047SBOTE04 Average Depth: 2 feet	10.20	< 0.57	4.93	12.50	8.96	10			
Former sample location 047S0002 Sample ID: 047SBOTW04 Average Depth: 2 feet	7.57	< 0.57	9.59	0.03	6.77	13			

Notes:

TPH = Total Petroleum Hydrocarbons

NA = Not Applicable

3.11.3 Sample Results

Following excavation, confirmation soil samples were collected from each of the SWMU 47 excavation areas for Appendix IX metals and TPH analyses. Table 3.10 lists the confirmation-sampling results, which can be compared with the NSA Mid-South RC in the top row. Sample locations are shown on Figure 3.11. One, five-part composite sample was collected from each excavation for confirmation metals and TPH-EPH analyses. The composite samples included soils from the excavation bottom and sidewalls. Results of analyses of the composite samples collected from locations 047SBOTE04 (former DPT sample location 047S0006) and 047BOTW04 (former DPT sample location 047S0002) were less than the RC for metals and the cleanup level for TPH. Laboratory reports and associated chain-of-custody forms are presented in Appendix A of this report.

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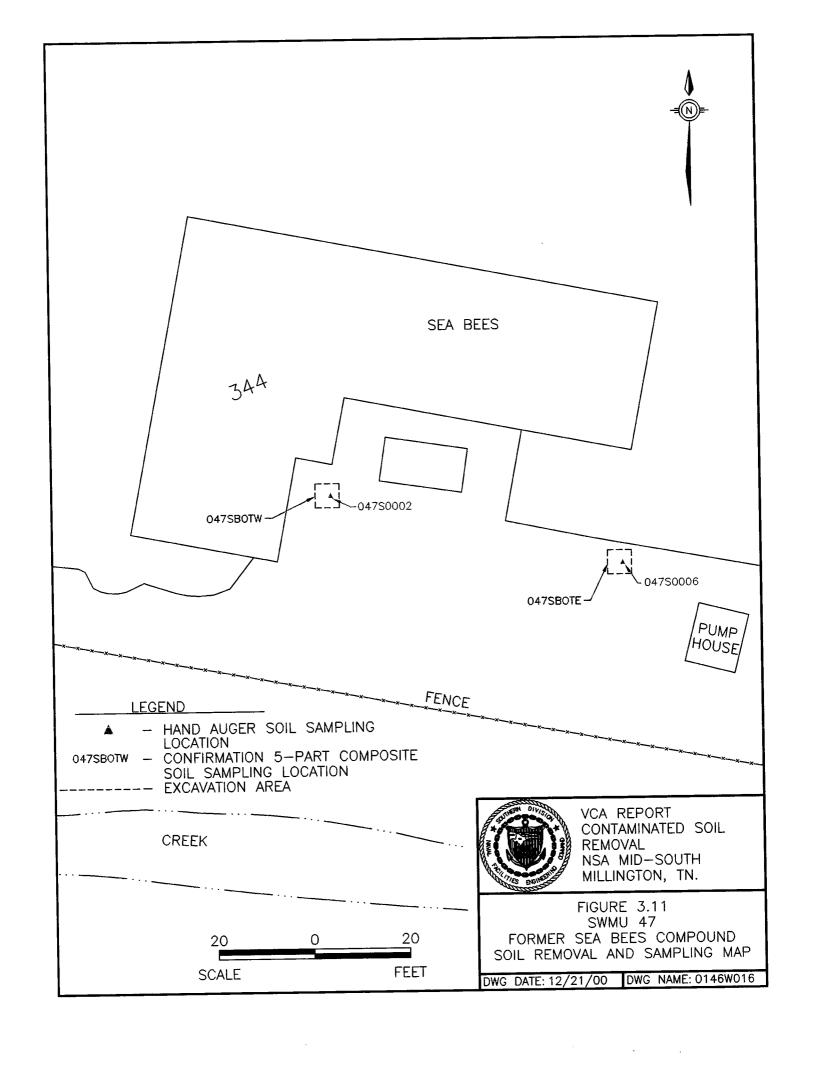
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The excavations were backfilled with clean fill after the soil was removed, and the surface was seeded and fertilized. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities.



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On January 21, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. Disposal applications, including the TCLP results, were submitted to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in Millington, Tennessee, for disposal. Copies of the disposal manifests for SWMU 47 and other NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C.

3.12 SWMU 48 — Hazardous Waste Accumulation Points

3.12.1 Site Description

SWMU 48 is located on the NSA Mid-South Southside and consists of various inactive hazardous waste accumulation points for containerized paint thinner and degreasing agents on the service (west) side of the Building S-9 complex, just outside overhead doors to work bays. The site, previous sampling results, and site histories and investigations are detailed in the *VCA Work Plan* (EnSafe, June 1999). Figure 1.1 (shown earlier) depicts the location of SWMU 48.

Four areas were addressed during the SWMU 48 soil removal: DPT soil sample locations 048S0001 to 048S0004, which were previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 0- to 1-foot-depth interval. DPT sample locations 048S0001, 048S0002, and 048S0004 also were previously identified as containing soil with petroleum concentrations exceeding 100 mg/kg TPH from the 3- to 4-foot depth interval. Therefore, these areas were excavated following the protocol established in the *VCA Work Plan* (EnSafe, June 1999).

3.12.2 Removal Activities

All four soil-removal areas were excavated from June 15 to 19, 2000, to dimensions of 6 feet wide by 6 feet long, by 5 feet deep, as indicated in the *VCA Work Plan* (EnSafe, June 1999). The excavated soils were not visibly stained and had no petroleum odor. The TPH analyzer was used to confirm that concentrations of petroleum in soil in the excavation were less than applicable cleanup levels (100 mg/kg). Approximately 7 cubic yards of soil were removed from each excavation area and transported to the grassy area adjacent to the west side of Building S-203, where it was staged on plastic, covered with plastic, and then bermed with straw for temporary storage. Table 3.11 displays the confirmation sampling results, sample IDs, depths, and RCs for metals.

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Table 3.11 SWMU 48 — Confirmation Sampling Results (in mg/kg)										
	Reference Concentration Values									
	Arsenic	Cadmium	Chromium	Chromium Copper		TPH (IR)				
Location	14.70	1.54	23.90	24.20	26.00	NA NA				
Former sample location 048S0003 Sample ID: 048S000505 Average Depth: 5 feet	<50	<2.5	14.30	13.20	<25	7				
Former sample location 048S0004 Sample ID: 048S000605 Average Depth: 5 feet	< 50	<2.5	14.10	16.90	<25	6				
Former sample location 048S0001 Sample ID: 048S000705 Average Depth: 5 feet	<50	<2.5	18.80	24.60	<25	<1				
Former sample location 048S0002 Sample ID: 048S000805 Average Depth: 5 feet	<50	<2.5	12.40	18.50	<25	<1				

Notes:

Bold = Exceeds RC

TPH = Total Petroleum Hydrocarbons

NA = Not Applicable

3.12.3 Sample Results

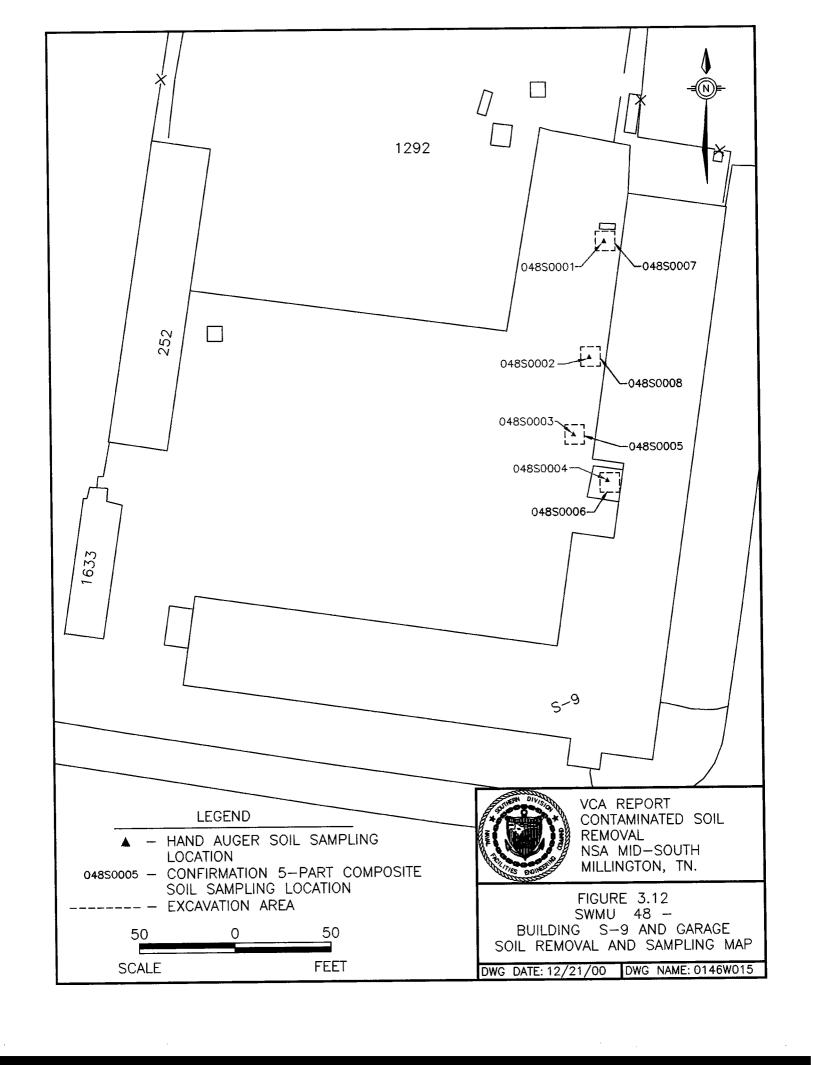
Following excavation, confirmation soil samples were collected from each of the SWMU 48 excavation areas for Appendix IX metals and TPH analyses. Table 3.11 lists the confirmation sampling results, which can be compared with the NSA Mid-South RC in the top row. Sample locations are shown on Figure 3.12. One, five-part composite sample was collected from each excavation for confirmation metals and TPH analyses. The composite samples included soils from the excavation bottom and sidewalls. Results of analyses of the composite sample collected from location 048S0007 exceeded the RC for copper (24.2 mg/kg). However, copper concentrations were less than its industrial (8,200 mg/kg) and residential (310 mg/kg) RBCs. All arsenic and cadmium results were less than their respective laboratory detection limits. However, the laboratory detection limits for arsenic and cadmium are greater than their RCs, as discussed in Section 2.2. In all remaining samples, soil-metals

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All confirmation TPH results were less than the results were less than their RCs. applicable cleanup level. Laboratory reports are provided in Appendix A of this report. 2 The excavation was backfilled with clean fill after the soil was removed, and new concrete and 3 asphalt were laid back in the area from which it was removed. Temporary fencing and barricades were placed around the excavation during all excavation and construction activities. 5 On June 27, 2000, EnSafe personnel sampled the soil stockpile for TCLP metals and benzene analyses. The results were submitted to NSA Mid-South PWD Environmental Division, The Corps submitted applications with the 8 which then transferred them to the Corps. TCLP results to the TDEC DSW Management and Allied Waste for disposal approval. Upon approval, the Corps transported the petroleum-contaminated soil to Allied Waste in 10 Millington, Tennessee, for disposal. Copies of the disposal manifests for SWMU 48 and other 11 NSA Mid-South petroleum-contaminated soil removal sites are included in Appendix C. 12

3.13 SWMU 49 — Navy Exchange Service Station

SWMU 49, the Navy Exchange (NEX) Service Station, is located approximately 150 feet north of Navy Road on the former NSA Mid-South Northside. The NEX was operational, but beginning the decommissioning process during the VCA soil removals. NSA Mid-South plans to demolish all structures on the NEX property. The SWMU 49 VCA removal will be conducted after demolition of the NEX Service Station and the results will be submitted to the BCT at a later date.

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3.14 Geophysical Investigation of the Area Southwest of Building S-235

3.14.1 Site Description

The area southwest of Building S-235 on the NSA Mid-South Southside is an open grassy area suspected of containing USTs. A geophysical study conducted in December 1999 identified several underground anomalies in the open area, indicating several areas of buried metals. Geophysical investigation methodology, site maps, equipment descriptions, and results are detailed in the *Geophysical Investigation of the Area Southwest of Building S-235* included in Appendix D of this report.

3.14.2 Removal Activities

Under the direction of the NSA Mid-South PWD Environmental Division, the Corps conducted exploratory digging in the area around anomalies B1 and C2a. A figure showing the anomalies is located in Appendix D. Aluminum runway matting was discovered throughout the excavation process at varying depths. No evidence of USTs, UST piping, or petroleum-contaminated soil was identified during the exploration process. Therefore, the soil was placed back in the excavation and the area was seeded, fertilized, and covered with straw.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on analytical results for confirmation samples collected after the soil removals at the above-mentioned SWMUs and facilities, the VCA objectives were met. Soil analytical results for metals were less than the RC for NSA Mid-South, and industrial and residential RBCs. However, the cadmium laboratory detection limit (2.5 mg/kg) used for this VCA was higher than the RC (1.54 mg/kg) for NSA Mid-South. Therefore, RC exceedances could not be determined for cadmium soil concentrations. However, cadmium concentrations were less than both RBCs in all samples collected. The arsenic laboratory detection limit (50 mg/kg) used for this VCA was higher than the RC (14.7 mg/kg) for NSA Mid-South, and both residential (0.43 mg/kg) and industrial (3.8 mg/kg) RBCs. Therefore, RC and residential and industrial RBC exceedences could not be determined for arsenic soil concentrations. However, all arsenic samples collected during this VCA were less than the laboratory detection limit of 50 mg/kg.

TPH concentrations were less than the TDEC cleanup criteria of 500 mg/kg, and less than the NSA Mid-South PWD Environmental Division requested 100 mg/kg levels for soils from land surface to 5 feet in depth. Therefore, no further action is requested for this facility.

The SWMU 49 Navy Exchange Service Station removal will be conducted at a later date after the buildings have been demolished.

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Appendix A
Laboratory Results

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

Page:

Time: 12:03

APX9-METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> DATE ANALYZED> MATRIX> UNITS>	024s000708 000532401 024s000708 05/11/00 05/12/00 05/15/00	024-S-0008-03 024S000803 000532402 024S000803 05/11/00 05/12/00 05/15/00 Soil MG/KG	024-s-0009-02 024s000902 000536801 024s000902 05/12/00 05/15/00 05/15/00 soil MG/KG	024-s-0010-02 024s001002 000536802 024s001002 05/12/00 05/15/00 05/15/00 Soil MG/KG	024-s-0011-02 024s001102 000536803 024s001102 05/12/00 05/15/00 05/15/00 Soil MG/KG	024-S-0012-02 024S001202 000543401 024S001202 05/16/00 05/18/00 05/18/00 Soil MG/KG
CAS # Parameter		0005324	0005324	0005368	0005368	0005368	0005434
7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-47-3 7440-48-4 7440-50-8 7439-97-6 7440-02-0 7782-49-2 7440-28-0 7440-31-5 7440-66-6 7440-66-6		5. U 50. U 125. 0.438 2.5 U 14.2 7.04 15.9 25. U 0.02 U 20.1 50. U 1. U 25. U 125. U 27.9	5. U 50. U 132. 0.462 2.5 U 12.3 6.48 16.6 25. U 0.02 U 19.9 50. U 1. U 25. U 125. U 18.7 61.4	5. U 50. U 129. 0.496 2.5 U 15. 6.92 16.8 25. U 0.024 18. 50. U 1. U 25. U 125. U 21.6 53.	5. U 50. U 168. 0.487 2.5 U 15.4 7.37 16.3 25. U 0.022 20.8 50. U 1. U 25. U 125. U 22.3 56.6	5. U 50. U 169. 0.404 2.5 U 12.5 6.23 13.8 25. U 0.02 U 17. 50. U 1. U 25. U 125. U 18.6 46.7	5. U 50. U 130. 0.556 2.5 U 14.6 9.18 21.5 25. U 0.03 21.1 50. U 1. U 25. U 125. U 24.4 62.

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

Page: 2 Time: 12:03

APX9-METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> DATE ANALYZED> MATRIX> UNITS>	024-5-0013-02 0245001302 000543402 0245001302 05/16/00 05/18/00 05/18/00 Soil MG/KG	024-S-0014-04 024S001404 000543403 024S001404 05/16/00 05/18/00 05/18/00 Soil MG/KG	041-s-0013-02 041s001302 000477301 041s001302 04/27/00 05/05/00 05/08/00 soil MG/KG	043-S-0004-04 0435000404 000524101 0435000404 05/09/00 05/12/00 05/15/00 Soil MG/KG	048-S-0005-05 048S000505 000649901 048S000505 06/15/00 06/22/00 Soil MG/KG	048-s-0006-05 0485000605 000649902 0485000605 06/15/00 06/22/00 Soil MG/KG
CAS # Parameter		0005434	0005434	0004773	0005241	0006499	0006499
7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-43-9 Cadmium 7440-48-4 Copper 7439-97-6 Mercury 7440-02-0 Nickel 7440-22-4 Selenium 7440-31-5 7440-66-6 Tin		5. U 50. U 187. 0.476 2.5 U 13.2 7.73 18.4 25. U 0.02 20.1 50. U 1. U 25. U 125. U 21.4 57.5	5. U 50. U 112. 0.43 2.5 U 13.5 6.94 17. 25. U 0.02 U 19.1 50. U 1. U 25. U 125. U 21.6 50.2	5. U 50. U 177. 0.598 2.5 U 14.4 7.67 15.3 25. U 0.035 17.2 50. U 1. U 25. U 125. U 18.4 56.5	5. U 50. U 237. 0.781 2.5 U 20.8 7.41 15. 25. U 0.037 20.1 50. U 1. U 25. U 125. U 21. 56.2	5. U 50. U 71.8 0.407 2.5 U 14.3 5.79 13.2 25. U 0.038 10. 50. U 1. U 25. U 125. U 121.	5. U 50. U 105. 0.546 2.5 U 14.1 9.86 16.9 25. U 0.034 12.1 50. U 1. U 25. U 125. U 23.7 51.1

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

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APX9-METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> DATE ANALYZED> MATRIX> UNITS>	048-S-0007-05 048S000705 000653701 048S000705 06/19/00 06/22/00 Soil MG/KG	048-S-0008-05 048S000805 000653702 048S000805 06/19/00 06/22/00 Soil MG/KG	065-S-0032-10 065S003210 000331101 065S003210 03/10/00 03/13/00 03/14/00 Soil MG/KG	065-S-0033-08 0658003308 000342803 0658003308 03/14/00 03/29/00 03/30/00 Soil MG/KG	065-S-0034-02 065S003402 000354501 065S003402 03/17/00 03/29/00 03/30/00 Soil MG/KG	109-S-0003-02 109S000302 000377501 109S000302 03/28/00 03/29/00 03/30/00 Soil MG/KG
CAS # Parameter		0006537	0006537	0003311	0003428	0003545	0003775
7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-47-3 Cadmium 7440-48-4 Cobalt 7440-50-8 Copper 7439-92-1 Lead 7439-97-6 Mercury 7440-02-0 Nickel 7782-49-2 Selenium 7440-28-0 Thallium 7440-66-6 Zinc		5. U 50. U 124. 0.635 2.5 U 18.8 8.79 24.6 25. U 0.029 16. 50. U 1. U 25. U 125. U 29.7 60.5	5. U 50. U 92.2 0.648 2.5 U 12.4 8.58 18.5 25. U 0.021 14.3 50. U 1. U 25. U 125. U 4. U 2.5 U	5. U 50. U 203. 0.71 2.5 U 21.7 6.6 17.8 25. U 0.03 20. 50. U 1. U 25. U 125. U 28.2 62.9	5. U 50. U 251. 0.622 2.5 U 22.2 8.2 18.4 25. U 0.029 25.9 50. U 1. U 25. U 125. U 26.6	5. U 50. U 248. 0.724 2.5 U 24.1 7.62 19.9 25. U 0.03 21.9 50. U 1. U 25. U 125. U 29.5 70.2	5. U 50. U 173. 0.6533 2.5 U 16.5 9.19 26.6 25. U 0.037 25.4 50. U 1. U 25. U 125. U 27.9 83.2

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

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APX9-METAL	SAMPLE ID>	114-S-0002-03	203-S-0004-02	275 C ONEC 07	37E C 0000 07	275 0 0000 05	
10.00	ORIGINAL ID>	1148000203	2035000402	235-S-ONEC-03 235SONEC03	235-S-ONWC-03 235SONWC03	235-S-0SEC-05 235S0SEC05	235-S-0SWC-05 235S0SWC05
	LAB SAMPLE ID;>	000539801	000390001	990942305	990942306	990942307	990942308
	ID FROM REPORT>	1148000203	203s000402	235SONEC03	235s0nwc03	235S0SEC05	23580SWC05
	SAMPLE DATE> DATE EXTRACTED>	05/15/00 05/16/00	03/31/00 04/10/00	09/14/19 09/16/19	09/14/19	09/14/19	09/14/19
	DATE ANALYZED>	05/16/00	04/10/00	09/20/19	09/16/19 09/20/19	09/16/19 09/20/19	09/16/19 09/20/19
	MATRIX>	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS>	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS # Parameter		0005398	0003900	9909423	9909423	9909423	9909423
7440-36-0 Antimony		5. U	5. U	5. U	5. U	5. U	5. U
7440-38-2 Arsenic		50. U	50. U	6.1 J	7.14 J	12.5 J	13.4 J
7440-39-3 Barium		192.	136	157.	142.	330.	145.
7440-41-7 Beryllium 7440-43-9 Cadmium		0.541	0.705	0.584	0.607	1.07	0.745
7440-43-9 Cadmirum 7440-47-3 Chromium		2.5 U 14,	2.5 U 14.7	2.5 U	2.5 U	2.5 U	0.658 J
7440-48-4 Cobalt		8.23	7.59	9.52 7.88	12.3 4.26	21.7	16.8
7440-50-8 Copper		22.5	23.4 B	9.73	4.20 11.5	5.68 19.6	7.21 16.6
7439-92-1 Lead		75.8	25. U	7.62 J	9.79 J	33.4	13.5 J
7439-97-6 Mercury		0.035	0.02 U	0.028	0.028	0.025	0.021
7440-02-0 Nickel		23.	15.8	11.2	11.5	17.9	10.7
7782-49-2 Selenium		50. U	50. U	50. U	50. U	50. U	50. U
7440-22-4 Silver		1. U	1. U	1. U	1. U	1. U	1. U
7440-28-0 Thallium		25. U	25. U	25. U	25. U	25. U	25. U
7440-31-5 Tin 7440-62-2 Vanadium		125. U	125. U	125. U	125. U	125. U	125. U
7440-62-2 Vanadium		22.6	16.6	10.9	11.	31.3	24.7
7440 00 0 21110		79.6	55.8 B	46.4	48.4	85.4	42.6
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NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

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APX9-METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> MATRIX> UNITS>	09/16/19	235-S-NWAL-03 235SNWAL03 990942304 235SNWAL03 09/14/19 09/16/19 09/20/19 Soil MG/KG	235-S-SWAL-03 235SSWAL03 990942303 235SSWAL03 09/14/19 09/16/19 09/20/19 Soil MG/KG	235-S-WWAL-03 235SWWAL03 990942302 235SWWAL03 09/14/19 09/16/19 09/20/19 Soil MG/KG	394-s-0004-01 394s000401 000524103 394s000401 05/09/00 05/12/00 05/15/00 Soil MG/KG	
CAS # Parameter		9909423	9909423	9909423	9909423	0005241	3.67
7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7439-97-6 Mercury 7440-02-0 Nickel 7782-49-2 Selenium 7440-22-4 Silver 7440-28-0 Thallium 7440-31-5 Tin 7440-62-2 Vanadium 7440-66-6 Zinc		5. U 6.72 J 130. 0.528 2.5 U 11.1 2.97 12.4 9.98 J 0.027 6.12 50. U 1. U 25. U 125. U 12.6 64.	5. U 6.9 J 110. 0.422 2.5 U 10.5 2.74 9.82 8.73 J 0.029 6.17 50. U 1. U 25. U 125. U 12.3 40.5	5. U 9,27 J 115. 0,462 2.5 U 10.7 5,47 11,9 8,49 J 0,028 7,34 50. U 1. U 25. U 125. U 13,7 44.8	5. U 50. U 126. 0,399 2.5 U 9,06 4.25 10.6 44.8 0,026 7.81 50. U 1. U 25. U 125. U 11.4 47.3	5. U 50. U 98.4 0.453 2.5 U 19.2 7.95 10.4 27.6 0.024 11.8 50. U 1. U 25. U 125. U 27.7 47.2	

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION

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RCRA METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> DATE ANALYZED> MATRIX> UNITS>	065-s-0031-02 065s003102 000328001 065s003102 03/08/00 03/13/00 03/14/00 Soil MG/KG	174-s-0050-01 174s00501 000307701 174s00501 03/01/00 03/09/00 03/09/00 Soil MG/KG	174-s-0060-01 174s00601 000307702 174s00601 03/01/00 03/09/00 03/09/00 Soil MG/KG	174-S-0070-01 174S00701 000307703 174S00701 03/01/00 03/09/00 03/09/00 Soil MG/KG	174-S-0080-01 174S00801 000307704 174S00801 03/01/00 03/09/00 03/09/00 Soil MG/KG	
CAS # Parameter		0003280	0003077	0003077	0003077	0003077	
7440-22-4 Silver 7440-47-3 Chromium 7440-39-3 Barium 7440-43-9 Cadmium 7439-92-1 Lead 7440-38-2 Arsenic 7782-49-2 Selenium 7439-97-6 Mercury 7440-50-8 Copper 7440-41-7 Beryllium 7440-28-0 Thallium 7440-66-6 Zinc 7440-36-0 Antimony 7440-02-0 Nickel 7440-62-2 Vanadium 7440-48-4 Cobalt		1. U 5.72 34.8 2.5 U 25. U 50. U 50. U 0.022 4.88 0.219 125. U 25. U 41.5 5. U 5.57 9.07 3.04	1. U 13.5 134. 2.5 U 27.3 50. U 50. U 0.033 NR	1. U 15.7 138. 2.5 U 25. U 50. U 0.027 NR	1. U 10.8 79.5 2.5 U 25. U 50. U 0.035 NR	1. U 15. 95. 2.5 U 50.4 50. U 50. U 0.02 U NR	

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION SWMU 47

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METAL	SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE ANALYZED> MATRIX> UNITS>	047SB0TE04 9910468-01 047SB0TE04 10/19/99 10/28/99 Soil	047-S-BOTW-04 047SBOTW04 9910468-02 047SBOTW04 10/19/99 10/28/99 Soil MG/KG						
CAS # Parameter	-	9910468	9910468						
7440-36-0 Antimony 7440-38-2 Arsenic 7440-39-3 Barium 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-48-4 Cobalt 7440-50-8 Copper 7439-92-1 Lead 7439-97-6 Mercury 7440-02-0 Nickel 7782-49-2 Selenium 7440-22-4 Silver 7440-28-0 Thallium 7440-31-5 Tin 7440-62-2 Yanadium 7440-66-6 Zinc	1	5. U 10.2 J 117. 0.395 2.5 U 10.4 4.93 12.5 8.96 J 0.035 12.1 50. U 1. U 25. U 125. U 14.6 43.1	5. U 7.57 J 110. 0.348 2.5 U 9.59 4.45 9.78 6.77 J 0.029 10.1 50. U 1. U 25. U 125. U 13.3 37.						
						!			

NSA MID-SOUTH VOLUNTARY CORRECTIVE ACTION SWMU 47

Page:

Time: 13:45

SWMU 47							
TN TPH SAMPLE ID> ORIGINAL ID> LAB SAMPLE ID> ID FROM REPORT> SAMPLE DATE> DATE EXTRACTED> DATE ANALYZED> MATRIX> UNITS>	047SB0TE04 9910468-01 047SB0TE04 10/19/99 10/20/99	047-S-BOTW-04 047SBOTW04 9910468-02 047SBOTW04 10/19/99 10/20/99 501L MG/KG					
CAS # Parameter	9910468	9910468					
9999000-96-4 TN-EPH (C12-C40)	10.3	13.				-	

Appendix B
Well Abandonment Forms



TESTING SERVICES, INC.

May 19, 2000

Mr. Greg Parker Memphis/Shelby County Health Dept. Pollution Control Section 814 Jefferson Avenue Memphis, Tennessee 38105

RE: FILL AND ABANDONMENT OF WELL(S)
NSA MID-SOUTH
PERMIT NO. 00-072

Dear Mr. Parker:

On March 16, 2000, Tri-State Testing Services, Inc. completed the fill and abandonment of the above referenced location. The procedure for closure was in accordance with the Shelby County Health Department regulations (Section 9.03) and the State of Tennessee Department of Environment & Conversation, Division of Underground Storage Tanks, Section 3.IIN, Environmental Assessment Guidelines, Groundwater Investigation Procedures, Monitoring Well Abandonment Procedures.

The well(s) were chlorinated using liquid bleech prior to backfilling with a grout consisting of 95% Portland cement and 8% bentonite. The wells were pressure grouted through a tremie pipe to just below the surface. The tremie pipe was slowly retracted during the grouting process. Once the tremie pipe had been removed, the abandonment process was complete.

If you have any further questions, please contact me.

Sincerely,

David D. McCray, CWD

Manager

cc: File No. E-5-146



MEMPHIS AND SHELBY COUNTY **HEALTH DEPARTMENT**

YVONNE S. MADLOCK Director

IOHN B. KIRKLEY, M.D. Interim Health Officer



IIM ROUT Mayor of Shelby County

DR. W. W. HERENTON Mayor of Memphis

May 9, 2000



Mr. David McCray Tri State Testing Services 6756 Buckles Cove Memphis, TN 38133

RE:

EMERGENCY FILL/ABANDONMENT OF WELL(S) AT: NSA Midsouth

Permit #00-072

Dear Mr. McCray:

This letter acknowledges the oral approval given by this Office for the emergency fill and abandonment of a well at the above referenced location. The "CONSTRUCTION PERMIT" has been enclosed authorizing you to begin work at the earliest possible date. You will be expected to comply with all conditions indicated on the permit as well as the specifications outlined on the application. The permit must be maintained at the job site for the duration of the fill and abandonment process.

Your prompt attention and cooperation in this matter will be appreciated. In the meantime if you have any questions, please contact Mr. Greg Parker at 544-7741.

Sincerely,

J. Carter S. Gray, Manager

POLLUTION CONTROL-SECTION

GP:JCSG:mpc

Enclosure

E-5-146 Corp of Eng.

Mission

To promote, protect and improve the health and environment of all Shelby County residents.

MEMPHIS AND SHELBY COUNTY HEALTH DEPARTMENT WATER QUALITY BRANCH FILL AND ABANDONMENT PERMIT

WELL DRILLI	NG COMPAN	Y TRI STATE T	ESTING SERV	ICES	
ADDRESS 6		Cove Memphis	, TN 38133		-
DATE ISSUED	3/16/00	EXPIRATION DATE		PERMIT NUMBER	00-072
DESCRIPTION		Fill and abandonment of	of a well:	NSA Mid South	
EMERGENCY	PERMIT	065G01UA, 065G02U	A, 065GO3UA	, 065G04UA	

This permit is issued based on the signed commitment of the driller and the owner to fully comply with the requirements outlined in the Shelby County Well Construction Code or as directed by the Water Quality Branch of the Memphis and Shelby County Health Department. Any deviation of the approved conditions outlined on this permit will <u>void</u> this permit immediately.

CONDITIONS:

- 1. The abandoned well shall be sealed only by a licensed well contractor and all procedures used to fill the well <u>shall be witnessed</u> by the Memphis and Shelby County Health Department.
- 2. If any water lines are connected to the well they must be disconnected before filling the well.
- 3. At least a twenty-four (24) hour notification is required to arrange the fill and abandonment of a well. This includes all dismantling procedures and the lowering of the pipe used to grout the well.
- 4. The well is to be dismantled so that all working parts are removed from inside the casing and any obstructions discovered in the well are dislodged.
- 5. One of two methods can be used to fill the empty well casing:
 - a) A mixture of Portland Class A or quick setting cement in a ratio not over seven (7) gallons of water for each ninety-four (94) pounds of cement.
 - b) A coarse grained high solids *non-drilling* mud grade bentonite slurry such as Baroid Benseal, American Colloid or equal. The bentonite grout shall be mixed in accordance with the manufacturers recommendations.
- 6. The grout shall be pumped from the bottom of the well upward through a tremmie pipe in one continuous operation in order to avoid separation or dilution of the seal material. A return shall be seen that is the same consistency at the top as the material that is pumped into the well.

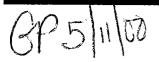
7. Chlorine shall be added at the beginning and during the sealing process.

J. Carter S. Gray, Manager POLLUTION CONTROL

No authority is granted by this permit to construct, operate or maintain any well in violation of any law, statute, code, ordinance, rule or regulation of Memphis and Shelby County, Tennessee.

NON TRANSFERABLE

POST OR FILE AT INSTALLATION ADDRESS



Appendix C
Soil-Disposal Manifests

NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIES

(501) 072-7200	on the the		
	/ GENER/	NTOR	
GENERATOR SPECIAL WASTE-ASBESTOS WASTE	COMPLETE SECTIONS: I., II., -COMPLETE SECTIONS: I thru	V., VII., VIII., IX., XI XII (Section 1, if required to	analyza for hazardous waste characteristics)
SECTION BFI WASTE CODE TN	211 010627	NØ 00	3994
SECTION II GENERATOR			GENERATING LOCATION
NAME NAVAL SUPPORTACT			PHONE NO. 274-5962
MAILING ADDRESS 5722 TNTF96	TY DR. MIL	LNGTON 38	Q.5 PHONE NO.
SECTION III OPERATOR/CONTRACTOR NAME US ARMY CORP OF	ENGINEERS		
ADDRESS 2915 RIVERRAT		3 TN 3810	19 PHONE NO. 544 0950
SECTION IV OWNER			1000
NAME NAUAL SUPPORT ACT.	SITY M.O S.	STH	_ PHONE NO. 874 5960
North Shelby Landfill 7111 Old	d Millington Rd. Mil	lington, Tenn. 38	PHYSICAL SITE LOCATION
South Shelby Landfill 5494 Ma		Tenn. 38116	PHONE NO(901)_872-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Mem	onhis TN 38105	(901) 576-7588
Tenn. Div. of Air Pollution 295 Sur			(901) 576-7588 /:HONE NO(901) 423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS **	TOTAL QUANTITY	TYPE UNITS
CONTAMINATED	NO. TYPE	UNIT	C V-METAL DRUM P-POUND
			3 6MIL PLASTIC Mª-CUBIC
SoiL	1	12 /	BAGS/WRAP METER Y-CUBIC
	•		O-OTHER YARDS
ASBESTOS WASTE RQ, Asbestos, 9, NA			
REGULATED NON-REGU SECTION VIII SPECIAL HANDLING INSTRUC		INFORMATION	
	HONS AND ADDITIONAL	INFORMATION	
NONE		·	
SECTION IX GENERATOR CERTIFICATION I hereby certify that the above named material is not a har	zardous waste as defined	I hereby declare that the con-	RTIFICATION (ASBESTOS) tents of this consignment are fully and accurately de-
by 40 CFR Part 261 or any applicable state law, has been pro and packaged, and is in proper condition for transportation	perly described, classified son according to applicable a	cribed above by proper shippin nd are in all respects in proper c	g name and are classified packed, marked and tabeled is: andition for transport by highway according to applicable k
regulations; AND, if the waste is a treatment residue of a p dous waste subject to the Land Disposal Restrictions, I constitutions	reviously restricted hazar- ertify and warrant that the	nternational and government re	gulations.
waste has been treated in accordance with the requirements no longer a hazardous waste as defined by 40 CFR Pa	rt 261.		
RANDY WILSON ENVIR. S	Shipment Date	Print/Type Name & Title	Shipment Date (ut.)
Print/Type Name & Title	Na/	Fino Type Name & Title	Simplified Care
Signature		Operators Signature	
	TRANSPO		
NAME OF CO. CORPOFENGIN		SECTION XII TRANSP NAME OF CO	ORTER 2
ADDRESS 2915 RIVERBET	~~ I	ADDRESS	
DRIVER Print/Type Name/Title		DRIVERPrint/Type Name/Til	
TRUCK NO. 12 PHONE NO. 57	3 2521		PHONE NO.
Acknowledgement of receipt of materials.		Acknowledgement of rec	eipt of materials.
Signature	Date	Signature	Control of the Contro
The state of the s	was to become a contract to the resident	Participated in the second contraction of the second	The state of the s
	DISPOSAL	and the second of the control of the second	
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINA (Landfill use only)	ES
		•	
Print/Type Name	Sign	nature/Date .	A Section of the sect
SITE AND ADDRESS		DIS	POSAL INSTRUCTIONS
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# SI			
NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT I hereby certify that the above material has been accepted.			A CONTRACTOR
my knowledge the foregoing is true and accurate.		MIXV	INTH REFUSE
AUTHORIZED AGENT (PLEASE PRIN	IT)	AT TO	E OF SLOPE

Receipt Date

SIGNATURE OF AUTHORIZED AGENT

PO. BOX 1207 MILLINGTON, TN 38083 (901) 872-7200

LMS TICKET NO. 4/5933 NON-HAZARDOUS SPECIAL AND ASIJESTOS N. 080519

GENERATOR GENERATOR							
GENERATOR SPECIAL WASTE-INSTRUCTIONS ASSESTOR WASTE				A The Charles Street A	A PURE MESSEREMENT		
	-COMPLETE SECTIONS	T., II., V., VII., VIII., IX., XI I thru XII (Section 1, if requ	ulred to analy	e for hazardous waste (haracteristics)		
SECTION I BEI WASTE CODE TN 21 SECTION II GENERATOR	1 01062	_/NØ	<u> </u>	1994	30.00		
NAMENAUAL SUPPORT ACTI	vity mia	SOUTH		GENERATING LOC PHONE NO. 87	ATION SPAN		
MAILING ADDRESS 5722 7 NITE 96	ITY'DE mi		8054				
SECTION III OPERATOR/CONTRACTOR	FUNITE		- · · · · ·		500000		
ADDRESS 2915 RIVERPORT P	D MPHS		9	وارش	1 404/		
SECTION IV OWNER	-		1	PHONE NO. 544	0747		
NAME NAUAL SUPPORT ACT	wity mi	0 SOUTH		PHONE NO. 87	4 5902		
North Shelby Landfill 7111 Old	Millington Rd.	Millington, Tenr	1. 380536	PHYSICAL SITE LO	CATION		
LJ South Shelby Landfill 5494 Ma	lone Rd. Memo	his, Tenn, 38116	—— <u></u>	² HONE NO(901	872-7200		
SECTION VI RESPONSIBLE AGENCY (LOCAL Mphs. & Shelby Cty Health Dept.	STATE EDAY		 -		18 18 18 18 18		
Tenn. Div. of Air Pollution 295 Sur	nmer Jackson	TN 38301 3004		1.7 7 7	576-7588		
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUAN		HONE NO. (901	14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15		
CONTAMINATED	NO. TYPE	UNIT	l ol	TYPE 4-METAL DRUM	P-POUND:		
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3012	ノナ	- 12 y		BAGS/WRAP TRUCK	Ya-CUBIC		
ASBESTOS WASTE BO Asbestos & NAC				OTHER	YARDS O-OTHER		
REGULATED RQ, Asbestos, 9, NAZ	2212, PG III .ATED		Ŋ				
SECTION VIII SPECIAL HANDLING INSTRUCT		NAL INFORMATION	<u>iò</u>	<u></u>			
NONE			Ÿ				
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATO	OR CERTIFICA	TION (ACRECTOR)			
I hereby certify that the above named material is not a haz by 40 CFR Part 25 to rany applicable state law, has been prop- and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a pre- dous waste subject to the Land Disposal Restrictions, I cer waste has been treated in accordance with the requirement- is no longer a hazardous waste as defined by 40 CFR Part	erly described, classified according to applicable evicusly restricted hazartify and warrant that the	I hereby declare that to scribed above by proper s and are in all respects in p international and governr	he contents of	this consignment are ful and are classified packed,	y and accurately de- marked and labeled, cording to applicable		
RANDY WILSON ENVIR. SPEC							
Print/Type Name & Title	Shipment Date	Print/Type Name & Title			Shipment Date		
Signature	Control March 1991	Operators Signature		nichte Albert Englich	MANUAL DA MANUAL		
The state of the s		PORTER			344,444,444		
SECTION XI TRANSPORTER! NAME OF CO. CORP OF ENGINE	i mangana wa p FBPS	SECTION XII TRA	NSPOR É	12			
ADDRESS 2915 RIVERPORTIR	D. MEMPHI	NAME OF CO	<u>F</u> -				
Print/Type Name/Title	<u>- 47 - </u>	DŘIVER	mo/Title 7		1. P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
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ignature	Date	Signature		Seg Self our SN Albert	Date - Live		
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rint/Type Name	·	Signature / Date			Marianak.		
SITE AND ADDRESS			DISPOSAL I	NSTRUCTIONS			
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL	79-106-0135 NL 70-106-0224						
nereby certify that the above material has been accepted a y knowledge the foregoing is true and accurate.	and to the best of				r Slav		
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AUTHORIZED AGENT (PLEASE PRINT)	. d	ħ./	IIX WET	H REFUSE			
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SIGNATURE OF AUTHORIZED AGENT

Receipt Date

LMS TICKET NO 4873

N: 080520

(901) 872-7200 NON-HAZARD	OUS SPECIAL AND ASBESTOS WASTE MANIFES
, GE	NERATOR
GENERATOR SPECIAL WASTE- COMPLETE SECTION	S: I., II., V., VII., VIII., IX., XI S: I thru XII (Section 1, if required to analyte for hazardous waste characteristics)
SECTION BFI WASTE CODE TN/211/0106	27/NA 0039911
SECTION II GENERATOR	GENERATING LOCATION
	D- 500TH PHONE NO. 874, 5900
MAILING ADDRESS 5732 INTEGRITY DR M	ILLINGTON 38054 PHONENO
SECTION III OPERATOR/CONTRACTOR	
NAME US ARMY CORP OF ENGI	- CO (20) - CO (20)
ADDRESS 2915 RIVERPORT RA MA	HS , TN . 38109 PHONE NO. 544 0956
NAME NAUAL SUPPORT ACTIVITY	110 - 50 JTH PHONE NO 874 5903
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old Millington R	PHYSICAL SITE LOCATION d. Millington, Tenn. 38053
☐ South Shelby Landfill 5494 Malone Rd. Mem	ohis, Tenn. 38116 PHONE NO. (901) 872-7200
SECTION VI RESPONSIBLE AGENCY (LOCAL, STATE, EPA)	William Control of the Control of th
Mphs. & Shelby Cty Health Dept. 814 Jefferson	
Tenn. Div. of Air Pollution 295 Summer Jackson	1. TN 38301-3984 PHONE NO. (901) 423-6484
SECTION VII DESCRIPTION OF WASTE CONTAINER NO. TY	
CONTAMINATED	2M-PLASTIC DRUM Y-YARDS
	3A-6MIL PLASTIC MACCUBIC BAGS/WRAP
SOIL I	TRUCK CUBO
	O TOTHER OCOTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA2212, PG III	
REGULATED NON-REGULATED SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADDIT	IONAL INFORMATION
3 /	IONALINFORMATION
NONE	
SECTION IX GENERATOR CERTIFICATION	SECTION X OPERATOR CERTIFICATION (ASBESTOS)
I hereby certify that the above named material is not a hazardous waste as defin by 40 CFR Part 261 or any applicable state law, has been properly described, classifi and packaged, and is in proper condition for transportation according to applical	ed scribed above by proper shipping name and are classified nacked, marked and tabeled
regulations; AND, if the waste is a treatment residue of a previously restricted haz dous waste subject to the Land Disposal Restrictions, I certify and warrant that t	are international and dovernment requisitions
waste has been treated in accordance with the requirements of 40 CFR Part 268 a is no longer a hazardous waste as defined by 40 CFR Part 261.	
RANDANILSON FNUIR SPEC	
Print/Type Name & Title Shipment Date	Print/Type Name & Title t Shipment Date.
thank the	Operators Signature
Signature	
	NSPORTER
SECTION XI TRANSPORTER! NAME OF CO. CORP OF ENGINEERS	SECTION XII TRANSPORTER 2 NAME OF CO
ADDRESS 295 RIVER PORT RD	ADDRESS :
DRIVER	_ DRIVER
TRUCK NO PHONE NO. 573 -252 /	_ TRUCK NO
Acknowledgement of receipt of materials.	Acknowledgement of receipt if naterials.
Kennak 1. Burde	0.000
Signature Date	Signature.
DISF	OSAL SITE
DISCREPANCY INDICATION SPACE	DISPOSAL COORDINATES (Landfill use only)
·	(Landin use only)
Print/Type Name	Signature/Date
SITE AND ADDRESS SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135	DISPOSAL INSTRUCTIONS
SOUTH SHELBY 7494 MALUNE RD. PERMIT# SNL 79-100-0135 Thorax Shelby 7111 Old Millington Rd. Permit# SNL 79-106-0224	
I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.	
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AUTHORIZED AGENT (PLEASE PRINT)	AT TOE OF SLOPE



NON-HAZARDOUS SPECIAL AND ASCESTOS WASTE MANIFES

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GENERATOR SPECIAL WASTE- CO	MPLETE SECTIONS 1 1	V VIII VIII IY YI		111212
INSTRUCTIONS 4 8 ASSESTOS WASTE-CO	IMPLETE SECTIONS: I the	u XII (Section 1, If required t	to anal 7ze for hazardous waste cha	racteristics) = 3
SECTION I BFI WASTE CODE / / SECTION II GENERATOR	0106.	ZING	003994	4.5
NAME NAVAL SUPPORT ACT	WITY Di	0-50514	GENERATING LOCAL	4-59%
MAILING ADDRESS 5722 INTEGRI	TY BR. mi	HINGTON 38	PHONE NO.	
SECTION III OPERATOR/CONTRACTOR NAME CORP OF FNGINFE	05			6 1 2 3 x 3 0
ADDRESS 2915 RIJER PO		PHS 381	09 PHONE NO. 544	1-0063
SECTION IV OWNER				
	ICTIVITY	min-Sou	TIPHONE NO. 87	4 5983
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old N	Millington Rd. M	lillington, Tenn. 3	PHYSICAL SITE LOC	ATION
☐ South Shelby Landfill 5494 Malor	ne Rd. Memohi:			872-7200
SECTION VI RESPONSIBLE AGENCY (LOCAL, 8 Mphs. & Shelby Cty Health Dept. 81	STATE, EPA)	mahia TNI 20105		142 Y 16
Tenn. Div. of Air Pollution 295 Sumr				576-7588
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	—	423-6484
CONTAMINATED	NO. TYPE	UNIT	₿M-METAL DRUM	P-POUND
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SOIL	1 T	12 Y	F IRUCK	Y-CUBIC)
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NONE	MO AND ADDITIONA	LINTOHWATION	N .	
SECTION IX GENERATOR CERTIFICATION		CECTION V OPERATOR O	<u></u>	
I hereby certify that the above named material is not a hazard	dous waste as defined	I hereby declare that the c	CERTIFICATION (ASBESTOS) contents of this consignment are full	y and accurately de-
by 40 CFR Part 261 or any applicable state law, has been properly and packaged, and is in proper condition for transportation ac regulations; AND, if the waste is a treatment residue of a previous	cording to applicable	SCHOOL SHOVE BY ORDER SHIP	ping name and are classified packed, or condition for transport by highway ac	anning the ball of
dous waste subject to the Land Disposal Restrictions, I certifi waste has been treated in accordance with the requirements of	y and warrant that the of 40 CFR Part 268 and	incinational and government	r regulations.	100 A
is no longer a hazardous waste as defined by 40 CFR Part 26				
RAND 9 WILSON F. NUIR, SPE Print/Type Name & Title	Shipment Date	Print/Type Name & Title		Shipment Oate
Signature	<u> </u>	Operators Signature	the second second	CAN STANDARD
The first of the second second of the second	TRANSP	kezingkin sagistlekimi old e.i.		
SECTION XI TRANSPORTER I	Salvery and the Salvery	SECTION XII TRANS	SPOR E92	
NAME OF CO. CORT OF ENGIN	MEERS	NAME OF CO.		100
ADDRESS 2915 PIVER HORI FD	WHAP /	ADDRESS		The state of the s
Print/Type Name/Title TRUCK NO. PHONE NO. 573	-2521	Print/Type Name/	Title 	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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Print/Type Name	S	ignature / Date		The Mark
SITE AND ADDRESS	2.400.0405	DI	ISPOSAL INSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 7: NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SN				
I hereby certify that the above material has been accepted a my knowledge the foregoing is true and accurate.		A.	MIX WITH REFUS	F
IN. FRETEXEZECIÓ		10	TTOE OF SLUP	

SIGNATURE OF AUTHORIZED AGENT GENERATOR/OPERATOR ORIGINAL - WHITE

GENERATOR FILE - GOLT



LMS TICKET NO

(901) 872-7200	NON-HAZARDOL	S SPECIAL AND A	CD CTO	ALIE OLGUSZZ SWASTE WANIFESTE
	GENE	RATOR	DOI: OIN	SWASTEMANIFEST
GENERATOR L/8 SPECIAL WA. ASBESTOS W	070	IIAION	1	
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SECTION II GENERATOR		NO OO	39474	
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OPERATOR/CONTRACTOR	grity the mill	LINGTON 380	54 PHONE	NO.
NAME CORP OF FW.	9 INEERS		4 \$ - 4	7.7.8.00 T. 7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.
SECTION IV OWNER	RIPO, MAHS	, TN 3810	9	10.544.0950
NAME NAUAL SUPPORT	ACTIVITY N	11A-5 DUTH	- FIONET	W. Marie areas summer
SECTION V WASTE DISPOSAL SITE		HTTO C MI	- FHONE N	10.874-5902
North Shelby Landfill 7111 (South Shelby Landfill 5404 A	<u> </u>	illington, Tenn. 380	PHYSICA 153	L SITE LOCATION
SECTION VI PESPONOIDI -	dalone Rd. Memphis	L. Tenn. 38116	- 製 .	0_ (901) 872-7200
	T RTA Internation Lab	mphis TN 20105	<u>a</u> ,	and the second of
	ummer Jackson, TN	1 38301-3984	- ž	(901) 576-7588
	CONTAINERS	TOTAL QUANTITY	31	0_(901) 423-6484
CONTAMINATED	NO. TYPE	UNIT	DM METAL	DRUM P-POUND
Soil			DM PLASTI BA- 31 IIL PL	ASTIC Y-YARDS
3012	1 7	12 V	J-THUCK	MELER
ASBESTOS WASTE RQ, Asbestos, 9, N	A2212 PG III		O-Officer	YARDS O-OTHER:
MON BEG	11 A ****			SALE
SECTION VIII SPECIAL HANDLING INSTRUC	CTIONS AND ADDITIONAL I	INFORMATION	₫	
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I hereby postitute and	SI	ECTION X OPERATOR CERTIF	ICATIO VEACUEO	
egulations: AND Will proper condition for transportation	porty described, classified sc	I hereby declare that the content ribed above by proper shipping na	s of this consigning	IOS)
vaste has been tracted in Land Disposal Restrictions, I c	ertify and warrant to hazar-	Thereby declare that the content ribed above by proper shipping na d are in all respects in proper condi ernational and government regula	tion for f ar sport by	led packed, marked and labeled, highway according to applicable
s no longer a hazardous waste as defined by 40 CFR Pa	its of 40 CFR Part 268 and rt 261.		ν. Ki	
rint/Type Name & Title	Shipment Date Pri		H .	
ignature factor	Pri	int/Type Name & Title		Shipment Date:
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CTION XI THANSPORTER	TRANSPOR		To beauty	
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IVERA	mpus	DDRESS	<u> </u>	
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CREDATION	DISPOSALSI	TE	CARD THE STREET	Date:
CREPANCY INDICATION SPACE	DIS	POSALZCCOBRIGATES	71.00	
) (Lar	ndfill use only)	3,1	
Type Name	Signature	/Date		
SITE AND ADDRESS				
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 7 NORTH SHELBY 7111 OLD MILLINGTON RD: PERMIT# SN by certify that the above material has been	9-106-0135	DISPOSAL	INSTRUCTION	is
by certify that the above material has been accepted a lowledge the foregoing is true and accurate.	nd to the best of			
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AUTHORIZED AGENT (PLEASE PRINT)				
SIGNATURE OF AUTHORIZED AGENT	27 × 1/2		。 : 《語	
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ENERATOR SPECIAL WASTE- COM VSTRUCTIONS C ASBESTOS WASTE-COM	PLETE SECTIONS: I thru	(II (Section 1, i	f required to anal	yze tor	hazardous waste chai	racteristics)
SECTION I BEIWASTE CODE TN 211	01062	7 N	Ø	2 <u>0</u>	3994	
SECTION II: GENERATOR	ACTIVITY	mi.D	SOUTH	PH(DNE NO. 27	10N 2 5902
MAILING ADDRESS 57.22 T NTE GRI	Te/ 12:11,	NGTON	138054	/ ₽₫	ONE NO	
SECTION III OPERATOR/CONTRACTOR	-06			9		
ADDRESS 2915 RIUT PROFI	-	TN.	38109	Pd(ONE NO.544	0950
SECTION IV OWNER NAME NAME NAME NAME SUPPERI RE	Tivity m	10 - 5	OUTH	P 40	DNE NO. 874	15902
SECTION WASTE DISPOSAL SITE North Shelby Landfill 7111 Old Mi	llington Rd. Mil	lington,	Гепп. 3805		SICAL SITE LOC	ATION
South Shelby Landfill 5494 Malon		Tenn. 38	3116	Pá	ONE NO. (901)	872-7200
SECTION VI TRESPONSIBLE AGENCY (LOCAL, ST Mphs: & Shelby Cty Health Dept. 814	ATE, EPA) Jefferson Men	nphis, TN	38105		(901)	576-7588
Tenn. Div. of Air Pollution 295 Summ				. FH	ONE NO. (901)	423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL	QUANTITY JNIT	D. 12	TYPE METAL DRUM	UNITS P-POUND
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REGULATEDNON-REGULAT		INFORMAT	ION	<u> </u>	<u> </u>	
SECTION VIII SPECIAL HANDLING INSTRUCTION	NS AND ADDITIONAL	.INFORMAI	ION	19	t	
SECTION IX GENERATOR CERTIFICATION		SECTION X	OPERATOR CERT	IFICA (I	ON (ASBESTOS)	
I hereby certify that the above named material is not a hazard	described, classified	I hereby deci scribed above b	are that the conte y proper shipping	ntso.∱ nam∉aj	nis consignment are ful ed are classified packed or transport by highway a	ly and accurately de, , marked and labeled,
andipackaged and is in proper condition for transportation ac regulations AND if the waste is a treatment residue of a previo dous wastesubject to the Land Disposal Restrictions, I certify	usly restricted hazar-	and are in all res international ar	pects in proper con id government regi	iditlo (to	er transport by highway a	ccording to applicable
waste has been treated in accordance with the requirements of yearle longers, hazardous waste as defined by 40 CFR Part 26	40 CFH Part 268 and			1		
RANGE WITSON ENUIRISHED	•					Shipment Date
PrintType Name & Title	Shipment Date	Print/Type Nan	ne & Title	17.6		Shipment Date
Smarrage	2-26-01	Operators Sign	nature	Į.		
	TRANSP	manager transfer manager of the	Markova a			. 7
SECTION XINTHANSPORTERION	= 0<	NAME OF	KII TRANSPO	RTer	? 2	
ADDRESS 2915 RIVER PORT W	PHIS.	ADDRESS				·
DRIVER PRINTING ASHRIE D		DRIVER_	nt/Type Name/Title	- 		
TRUCK NO. 2 PHONE NO. 5 73	2521	TRUCK NO		HO		
Acknowledgement of receipt of materials.	<i>L</i> ,	Acknowled	gement of rece	ipto'n	saterials.	
Signature de Caraciana	Date	Signature			Value and Model and Commission of the	Date 5.77.515.2
The state of the s	DISPOS	ALSITE				
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		(Landfill us	se only)	3 37 8		
Priot/Type Name	l	Signature/Date	<u> </u>			· · · · · · · · · · · · · · · · · · ·
SITE AND ADDRESS			DISF	POSA	INSTRUCTIONS	
ATTISOUTH SHEFRY 5494 MALONE RD. PERMIT# SNL T	9-106-0135			17		
17 NORTH SHEERY 7111 OLD MILLINGTON RD. PERMIT# S Thereby certify that the above material has been accepted a	NL 79-106-0224					
my knowledge the foregoing is true and accurate.			MYYM	ITH	REFUSE	
AUTHORIZED AGENT (PLEASE PRINT)			AT TO	ΕÓ	FSLOPE	
	<u> </u>		, , , , -	i i		
SIGNATURE OF AUTHORIZED AGENT	Receipt Date		u, **	-	DINIV OCUCO:	TOD EU E - OOI DENDOS
GENERATOR OPERATOR ORIGINAL – WHITE DISTRICT	OFFICE - GREEN • LA	NDFILL – YELLO	w • IRANSP	UHIER	PINK GENERA	TOR FILE – GOLDENROD

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GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE-	COMPLETE SECTIONS: I., II., COMPLETE SECTIONS: I thru	V., VII., VIII., IX., XI XII (Section 1, if required to a	ınalyze	or hazardous waste char	acteristics)
SECTION BETWESTE CODE TA 211	0/6/27 1	VØ 003		N	
NAME NAVAL SUPPORT A				GENERATING LOCAT PHONE NO. \$75	1-5902
MAILING ADDRESS 5722 LWTE GR SECTION III OPERATOR/CONTRACTOR	ity, DR. millio	1970NI 380	54	HONE NO.	
NAME CORP OF ENGIN	EERS	· · · <u>· · · · · · · · · · · · · · · · </u>	_ :	हुँ। -	
ADDRESS 29/5 RIU FR PORT SECTIONIV OWNER	RD MPHS,	TN 3810	9	HONE NO. 544	1-0950
NAMENAUAL SUPPORTA	Eliony mid	- 505TH		HONE NO. 874-	5902
SECTION WASTE DISPOSAL SITE North Shelby Landfill 7111 Old	l Millington Rd. Mi	lington, Tenn. 380		FHYSICAL SITE LOCA	TION
South Shelby Landfill 5494 Ma		Tenn. 38116		HONE NO. (901)	372-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Men	nphis, TN 38105	_ !	(901) (576-7588
Tenn. Div. of Air Pollution 295 Sur	mmer Jackson, TN	38301-3984	_	HONE NO. (901)	423-6484
SECTION VII DESCRIPTION OF WASTE CONTAMINATED	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	[0]	TYPE METAL DRUM PLASTIC DRUM 6MIL PLASTIC	UNITS P-POUND Y-YARDS M³-CUBIC
SOIL	, T	12. \	3.5	BAGS/WRAP FIRUCK OTHER	METER Y³CUBIC YARDS
ASBESTOS WASTE RQ, Asbestos, 9, NA	2212. PG III	,	<u>ا</u> ز	<u>/</u>	O-OTHER
REGULATED NON-REGU	LATED				
SECTION VIII. SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONAL	INFORMATION			
SETTION IX. BEHERATOR CERTIFICATION Thereby carify that the above named material is not a hardy story to the property of the	nzardous waste as defined perly described, classified in according to applicable reviously restricted hazar- prify and warrant that the this of 40 CFR Part 268 and	SECTION X OPERATOR CEI I hereby declare that the con scheduled above by proper shipping and are in all respects in proper international and government re	tents a g nama onditio	and are classified packed, in or transport by highway acc	marked and labeled,
PROVINCESON ENVIR. SPE	Shipment Date	Print/Type Name & Title			Shipment Date
appaire	in a state of the	Operators Signature			
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NAMEDECO CORP OF ENG		SECTION XII TRANSF	OHI!	54.2 6.	· · ·
FADDRESS 2915 RIVER PORT	mpHs.	ADDRESS		<u> </u>	
ORIVER AVAILABLE ORIVERS OF THE CONTROL OF THE CONT		DRIVER	tie	<u> </u>	
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Print/Type Name:	Si	gnature/Date		1 :	
SITE AND ADDRESS SOUTH SHELBY 5494 MALONE RD: PERMIT# S DANIT! SHELBY 7111 OLD MILLINGTON RD: PERMIT Libereby certify, that the above material has been accept my knowledge the toragoing is true and accurate.	# SNL 79-106-0224	DIS	POS.	LINSTRUCTIONS	
AUTHORIZED AGENT (PLEASE PRIN SIGNATURE OF AUTHORIZED AGENT GENERATOR/OPERATOR ORIGINAL - WHITE DISTRI	Receipt Date	AT	T	ATH REFUSI E OF SLOPI	



SIGNATURE OF AUTHORIZED AGENT

Receipt Date

N° 02593

(901):872-7200 NUN-F	いちょうしゅう しょうしょう	CIAL AND AOL	FOLOS MADI ENVANIFEOR
	GENERATOR		
GENERATOR SPECIAL WASTE—COMP	LÈTE SECTIONS: I., IÍ., V., VIÌ. LETE SECTIONS: I thru XII (Sec	VIII., IX., XI tion 1, if required to analy	re for nazardous waste gnaracteristics)
SECTION I BFI WASTE CODE TN 211	010430 4	437.130	75
SECTION II GENERATOR			GENERATING LOCATION
NAME Naval Support Ac	PHONE NO.		
SECTION III OPERATOR/CONTRACTOR	PHONE NO. (901) 874-5902		
NAME Corp. Of Engineers		<u>-</u>	ب دائمت المدارين
ADDRESS 2915 Riverport Rd., Memphi	s, TN 38109		PHONE NO. 190(1) 785-6062
SECTION IV OWNER NAME NAME NAME SUPPORT AC	PHONE NO. 27.4. 1/024		
SECTION V WASTE DISPOSAL SITE X North Shelby Landfill 7111 Old Mill	ington Rd. Millingt	on, Tenn. 38053	PHYSICAL SITE LOCATION
☐ South Shelby Landfill 5494 Malone		n. 38116	PHONE NO. (901):872-7200 An-
SECTION VI RESPONSIBLE AGENCY (LOCAL, STA Mphs. & Shelby Cty Health Dept. 814	<u>Jefferson Memphis</u>	1 4 4 40 22 3 30 4 32 4 4 4 7	(901) 576-75880
Tenn, Div. of Air Pollution 295 Summe		ner find fast Methyles from men an 14	PHONE NO. 2 (901) 1423-6484
SECTION VII DESCRIPTION OF WASTE N		TINÚ TINÚ	TYPE & UNITSV DM-METAL DRUM PEROUND A D 4-PLASTIC DRUM VEYARDS A B-EMIL PLASTIC LIM-CUBIC &
Contaminated Soil 1	Ţ /.	, Yd₃	SMIBPLASTIC DIMESURICA BAGS WHAT AMELER THOOK SECTION SOURCE OTHER
			O OTHER WATER
ASBESTOS WASTE RQ, Asbestos, 9, NA2212,			
FRIABLE NON FRIABLE B	OTH%FRIABLE	CANAL CALLED TO A STATE OF THE	
SECTION VIII SPECIAL HANDLING INSTRUCTIONS	AND ADDITIONAL INFO	RMATION	
- ZONE	200		
SECTION IX GENERATOR CERTIFICATION	SECTIO	VX OPERATOR CERTIF	CTION ASSESSORS ASSESSORS ASSESSORS
I hereby certify that the above named material is not a hazardour by 40 CFR Part 261 or any applicable state law, has been properly de and packaged, and is in proper condition for transportation; according the state of the sta	C Waltain thauthe	yy decjaren nazire configni uove typicitet spipilitythe iailtespecially y open ony orat and government regula	A NOL SOCIAL MEMORY STATE OF THE PROPERTY OF T
Randy Wilson (Environmental Protection S			
Print/Type Name & Title	Shipment Date PHnI/TV	pe Name & Title	as an ex Shipmen Date
Signature	Operation	r Signerure	
	TRANSPORTE		
SECTION XI THANSPORTER	12, 113, 113, 113, 113, 113, 113, 113, 1	IONIXII TRANSPOP	H20
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DRIVER TO A SHIP TO THE TOTAL OF THE SHIP TO THE SHIP	ADDF	R	
Print/Type Name/Title TRUCK NO. PHONE NO. 173-0		Print/Type Name/Title	A PARTY OF THE PAR
Acknowledgement of receipt of materials.	425.5	wiedgement of receip	materials - Carlotte
San Cathor 3	27-01		
Signature	ste Signatio		
	DISPOSALSIT		
DISCREPANCY INDICATION SPACE	Djsp (Land	SSAL COORDINATE	
Print/Type Name	Signature/	Date	
SITE AND ADDRESS	· · · · · · · · · · · · · · · · · · ·	neen	ALINSTRUCTIONS (N. 1847)
SOUTH SHELBY 5494 MALONE RD, PERMIT# SNL 79-1	06-0135		
XI NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 7	9-106-0224	N.	
Thereby certify that the above material has been accepted and my knowledge the foregoing is true and accurate.	to the best of		
AUTHORIZED AGENT LEIT ASERMINT		MIXW	TH SEFUSARE SEE
The state of the s	1 24 1 1	AT TO	EUF CLOT SAMPAGE



LMS TICKET NO.

P.O. BOX 1207 MILLINGTON, TN 38083 (901) 872-7200	ON-HAZARDOUS S	SPECIAL AND AS	ESTOS WASTE MANIFEST
	GENERA	T OR	The state of the s
GENERATOR 43 SPECIAL WASTE- INSTRUCTIONS 43	COMPLETE SECTIONS: I., II., V	i, VII., VIII., IX., XI II (Section 1, If required to anal	yze for hazardous waste characteristics)
	211 LYCY12 4		
SECTION II GENERATOR	<i>T</i>		GENERATING LOCATION
	ort Activity, Memphis		PHONE NO
MAILING ADDRESS 5720 Integrity Dr	., Millington, IN 380)54	PHONE NO. (901) 874 5902
NAME Corp. Of Engineers			
ADDRESS 2915 Riverport Rd., Me	emphis, TN 38109	· · · · · · · · · · · · · · · · · · ·	PHONE NO. 1901) 4785-6062
SECTION IV OWNER			
NAME 12 / 12 / 12 / 12 / 12 / 12 / 12 / 12			PHONE NO. 6742676
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 OI	d Millington Pd. Mill	naton Tonn 2005	PHYSICAL SITE LOCATION
Section VI RESPONSIBLE AGENCY (LOCA		1enn. 38116	PHONE NO. (901) 872-7200
Mphs. & Shelby Cty Health Dept	814 Jefferson Mem	phis, TN 38105	(901)\576-7588
Tenn, Div. of Air Pollution 295 Su	mmer Jackson, TN	38301 <u>-</u> 3984	PHONE NO. (1901) 423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	TYPESSE
	NO. TYPE	UNIT	DV-METAEDRÜME PERGUND. DV-POSTIGORUM PYZYARDS B-MIDPIASTON PYZYARDS
Contaminated Soil	1 T	Yds	BAGS WHAT
Containinated Soir		エイダー 追究的は佐藤郷	THUCK AND A COURT
			C POTITION OF THE POTITION OF
ASBESTOS WASTE RQ, Asbestos, 9, N.	A2212, PG III		
FRIABLE NON FRIABLE _	BOTH		
SECTION VIII SPECIAL HANDLING INSTRUC	CTIONS AND ADDITIONAL I	NEORMATION	
NONE	a a service de		
SECTION IX GENERATOR CERTIFICATION		ECTION X + OPERATOR CERTI	PAYON ASSESTED 2
I hereby certify that the above named material is not at by 40 CFR Part 261 or any applicable state law, has been by and packaged, and is in proper condition for transportati	operly described, classified so	L netebyideciáre, inst. inerconfer ribed above by orober shipping in d are in all respects in proper bord	A TAMES CONSIGNATION AND MICHAEL AND A STATE OF THE CONTROL OF THE
regulations; AND if the waste is a treatment, residue of a dous waste subject to the Land Disposal Restrictions;	previously restricted hazar- in	id are in all respects in proper cond ternational and government regul	ion o archispor o anlonway a Good in a to applicable.
waste has been treated in accordance with the requirements no longer a hazardous waste as defined by 40 CFR.	ints of 40 CFR Part 258 and		
Randy Wilson (Environmental Protect			A Part of the Control
Print/Type Name & Title	Shipment Date F	nint/Type Name & Title	a sa
Signature		perators Signature at Automatic	
Signature	TRANSPO	RTFR	
SECTION XI TRANSPORTER I	2000年100日 - 1000年100日 - 1000日 -	SECTION XILESTRANSPOL	
NAME OF CO.		VAMEOF CO.	
ADDRESS 1/5 AND PORTR	`\	ADDRESS	
DRIVER JIJI ASHFIELD		DRIVER Print/Type Name/Till#	
TRUCK NO. 12 PHONE NO. 573		Comment of the Commen	3.4E400。1512.2E313.3E33.3E33.3E33.
Acknowledgement of receipt of materials.	The second se	Acknowledgement of receip	materials
Signature	Date	Signature vision is a life and a	
	DISPOSAL	CITE	
		.SITE DISPOSAL COORDINATE	
DISCREPANCY INDICATION SPACE		(Landfill use only)	
Print/Type Name	Sign	ature / Date	
SITE AND ADDRESS		DISPO	S LINSTRUCTIONS STORY
	011 70 400 0405		

☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135

NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 79-106-0224

I hereby certify that the above material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

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NON-HAZARDOUS SPECIAL AND ASI ESTOS WASTE MANIFEST

	GENERA	TOR	Sparked and all substitutions and a second control of the second c
GENERATOR SPECIAL WASTE- INSTRUCTIONS 43 SPECIAL WASTE- ASBESTOS WASTE-	COMPLETE SECTIONS: I., II., -COMPLETE SECTIONS: I thru	V., VIII., VIII., IX., XI KII (Section 1, if required to anal.	za for hazardous waste characteristics)
CECTION BITWACTE CODE	2 <u>11 </u>	とといくしてくれ	
NAME Naval Suppor	rt Activity, Memphi	c	GENERATING LOCATION PHONE NO.
MAILING ADDRESS 5720 Integrity Dr.			PHONE NO. (901) 874-5902
SECTION III OPERATOR/CONTRACTOR NAME Corp. Of Engineers			
ADDRESS 2915 Riverport Rd., Me	mphis, TN 38109		2HONE NO. 1901 785-6062
SECTION IV OWNER NAME ALAC SUPERT	ACTRITY		
SECTION V WASTE DISPOSAL SITE			PHONE NO.
North Shelby Landfill 7111 Old			
South Shelby Landfill 5494 Ma		Tenn. 38116	PHONE NO. (901) 872-7200
Mphs. & Shelby Cty Health Dept.	814 Jefferson Men	and the second s	(901) 57,6-7,588
Tenn. Div. of Air Pollution 295 Sui		The second of th	PHONENO (901) 423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS NO. TYPE	TOTAL QUANTITY	M-METALDEUM: 13 P-PORNES
Contaminated Soil	1 T	Yds	M-METABLEUM PERCEND M-PDS TO DEUM D'ARDS 45MIC PEASTION MECEBICS
Containinated 30ii			THUCK A STATE OF THE STATE OF T
	المنافق		COTAGA
ASBESTOS WASTE RQ, Asbestos, 9, NA ERIABLE NON FRIABLE	30.00	IABLE	
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONAL		
Nive			
SECTION IX GENERATOR CERTIFICATION	and the state of t	SECTION X OPERATOR CERTIFIE	
I hereby certify that the above named material is not a his by 40 CFR Part 26t or any applicable state law, has been pro and packaged, and is in proper condition for transportatic regulations; AND, if the waste is a treatment residue of a p dous waste subject to the Land Disposal Restrictions; it is waste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFRi-Bardous waste	perlý described classified ní according to applicable reviously restated nazar erify and warrant that the fits of 40 CFR Part 268 and	Li hereby declare that the dorter is coffeed adview by the ember middle in the notate of all respects the program of notate of all respects the program notate of all respects to the program	Ostplisconsignment entrally, no accomplered manufacture, stast und protestamment generalism no districture, significant entralled consideration manufacture, significant entralled considerations.
Randy Wilson (Environmental Protect	tion Specialist)		
Print/Type Name & Title	Shipment Date,	Print/Type Name & Title	Care Shifteen Date
Signature		Operators Signature 213	
	TRANSPO	RTER SECTIONXIII THANSROL	
SECTION XI TRANSPORTERY NAME OF CO. CARRY OF FIRE		NAME OF CO	
ADDRESS 29/5 KILLIXALKT	 	ADDRESS	
Print/Type Name/Title	252/	Print/Type Name/Title:	
TRUCK NO. PHONE NO. Acknowledgement of receipt of materials.		TRUCK NO	NENC <u>EXPERIENCE</u> materials // Experience Property Property
3 4 m 12 1/2 1/2	Date	Signature	
Signature	e is a mercural energy and account of the		
DISCREPANCY INDICATION SPACE	DISPOSA	LSITE DISPOSAL COORDINATE	
DISCREPANCY INDICATION SPACE		(Landfill use only)	
Print/Type Name	Sir	nature / Date	
			ALINSTRUCTIONS TO SERVICE TO SERV
SITE AND ADDRESS SOUTH SHELBY 5494 MALONE RD. PERMIT# S NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT I hereby certify that the above material has been accept my knowledge the foregoing is true and accurate.	F# SNL 79-106-0224	DISPUS	STEINGARDON
W PATER LEZD AUTHORIZED AGENT (PLEASE PRI	NT)	MIX WIT	4 REFUSE
AUTHORIZED AGENT (PLEASE PHII	" 22/1	AT TOE	OF SLOPE AND THE

DISTRICT OFFICE - GREEN . LANDFILL - YELLOW

TRANSPORTE - PINK

	GEN	IERATOR	Į.	-),	
MOTIOUTION ASDESTUS WAST	E-COMPLETE SECTIONS:	I., II., V., VII., VIII., IX., XI I thru XII (Section 1, if required I	o anal	že for hazardous waste ch	aracteristics)
SECTION I BFI WASTE CODE TN 02	11010504	NO. 003188			
SECTION II GENERATOR NAME NAVAL SUPPORT ACTIVI	TE MIN JOU	Tod	,	GENERATING LOCA	TION
MAILING ADDRESS 5922 (NYECK	_	INGTON IN 380	~	PHONE NO. <u>87</u>	4-3 906
SECTION III OPERATOR/CONTRACTOR		110000	<u></u>	PHONE NO	
NAME CORPS OF ENY-INEEL	5			*	
ADDRESS 2915 RIVERPORT R SECTION IV OWNER	D, MEANPHIS,	TN 38109		PHONE NO. 544	-0947
NAME NAVAL SUPPORT ACTI	WITH MID 50	DYTH		HONE NO. 874	-5904
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 OI	d Millington Bd	Millington Tonn 20	2053	PHYSICAL SITE LOC	ATION
South Shelby Landfill 5494 Ma	lone Rd Memp	hie Tonn 20116		(004)	
SECTION VI RESPONSIBLE AGENCY (LOCA	STATE EDAL		<u> </u>	PHONE NO (901)	872-7200
Mphs. & Shelby Cty Health Dept.	814 Jefferson N	lemphis, TN 38105	¶	(901)	576-7588
Tenn. Div. of Air Pollution 295 Su	<u>mmer Jackson,</u>	TN 38301-3984		HONE NO. (901)	
SECTION VII DESCRIPTION OF WASTE FUEL OIL CONTAMINATED	CONTAINERS NO. TYPE	TOTAL QUANTITY		TYPE	UNITS
SOIL + DEBRIS	NO. TIPE	UNIT		1-METAL DRUM M-PLASTIC DRUM	P-POUND Y-YARDS
JUIC + DEBELS	1 7	-	EA	-6MIL PLASTIC BAGS/WRAP	M³-CUBIC
				TRUCK	METER Y³-CUBIC
ASBESTOS WASTE BO Aspestos 9 NA				SIDEM	YARDS O-OTHER
ASBESTOS WASTE RO, Asbestos, 9, NA NON-REGU					
SECTION VIII SPECIAL HANDLING INSTRUC		VAL INFORMATION	<u> </u>		···
NONE			1		
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CF.	DTIFIC A	ION (ASBESTOS)	
I hereby certify that the above named material is not a haby 40 CFR Parl 261 or any applicable state law, has been proj and packaged, and is in proper condition for transportatio regulations; AND, if the waste is a treatment residue of a produs waste subject to the Land Disposal Restrictions, I cewaste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Par	perly described, classified n according to applicable eviously restricted hazar- ritify and warrant that the	I hereby declare that the con scribed above by proper shippin and are in all respects in proper c international and government re	g nama; ondition	and are classified packed, r	
RANDY WILSON ENV. PRIF. SPE Print/Type/Name & Title/	C. O(A46-700 Shipment Date	Print/Type Name & Title	7. 		Shipment Date
Signature Signature					Omprient Date
Sylvanie		Operators Signature			
SECTION XI TRANSPORTER!	TRANS	PORTER		1000	
NAME OF CO. R. L. INMAN TRUCK	CING-	SECTION XII TRANSP	ORT	÷ 2	
ADDRESS AWY SI BRIGHTON, TW	38011	ADDRESS			
DRIVER Kon Canal Print/Type Name/Title		DRIVER			
TRUCK NO 5 PHONE NO 837-3	888	TRUCK NO		E NO	
Acknowledgement of receipt attachance.		Acknowledgement of rece			
Signature CA-CC	Date	Signature			
					Date
DISCREPANCY INDICATION SPACE	DISPOS				
DISSULT AND INDICATION SPACE		DISPOSAL COORDINAT (Landfill use only)	ES		
Print/Type Name		Signature / Date			
SITE AND ADDRESS		DISP	OSAÚÍ	NSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# 15 hereby certify that the above material has been accepted ny knowledge the foregoing is true and accurate.	NI 70_106.0004		i, i,		
Fay Smith		MIXWI	ru. Fu	AREDOL	
AUTHORIZED AGENT (PLEASE PRINT)		ATTOE			
SIGNATURE OF AUTHORIZED AGENT	8-/-00 Receipt Date	1 5 1 - 5 Suffer		SLOPE	
GENERATOR/OPERATOR ORIGINAL - WHITE • DISTRICT I	OFFICE - GREEN • LAN	DFILL - YELLOW . TRANSPOR	тер Др	INK . GENERATOR FO	F 001 0511000

CENTRATOR			NERAT(
GENERATOR SPECI INSTRUCTIONS ASBE	AL WASTE STOS WAS	– COMPLETE SECTION	S: I., II., V., S: I thru XII (VII., VIII., IX., XI Section 1, if required to a	Politzo for bosondo		
SECTION BFI WASTE CODE 7	NOZ	11010504	NO OF	3/DP	inal) ze ior nazarot	ous waste cha	racteristics)
SECTION IL GENERATOR				2100	GENERAT	ING LOCAT	rion
NAMENAUAL SUPPORT	11071	119 MID 3	24114		_ PHONE N	10. <u>874</u>	1-590 Z
MAILING ADDRESS 5922/N/ SECTION III OPERATOR/CONTRA	EGKI)	19 DR, MIC	11070	N,TN38054	PHONE NO	D	
NAME CORPS OF ENE	CTOR (A)E/E/A	~~					
ADDRESS EGIS RIVERPOR	RF R	D, MEMPHI	5. TN	38109	<u>.</u> V	51111	
SECTION IV OWNER					- # PHONE NO	344-	0797
NAME NAUAL SUPPORT	ACTI	OITY MID	504514	<u> </u>	_ '. _ '. PHONE NO	874-	5904
SECTION V WASTE DISPOSAL SIT North Shelby Landfill 7	re 111 Oi	d Millington Bo	Millin	aton Tonn 200	PHYSICAL	SITE LOCA	TION
South Shelby Landfill 5	494 M	alone Rd. Mem	obic To	2011, Tenn. 3805	~ <i>X</i>		
SECTION VI RESPONSIBLE AGENC	CV/LOC/	I STATE EDAL			- ∮PHONE NO	(901) 8	372-7200
Mpris. & Shelby City Health	<u>1 Dept.</u>	814 Jefferson	Memph	is, TN 38105		(901) 5	76-7588
Tenn. Div. of Air Pollution:	<u>295 Su</u>	<u>mmer Jackson</u>	<u>TN 383</u>	301-3984	-		
SECTION VII DESCRIPTION OF WA	STE	CONTAINERS NO. TYP		TOTAL QUANTITY	TYP		UNITS
SOIL + DEBRIS		NO. TYP		UNIT) มีน-METAL D อูM-PLASTIC	RUM	P-POUND Y-YARDS
COLE I PEDELS		/ /			%-6MIL PLA BAGS/WI	STIC	M³-CUBIC
					- TRUCK	ואר	METER Y3-CUBIC
ASBESTOS WASTE PO Asbest					O OTHER	ľ	YARDS O-OTHER
nu, Asbest	os, 9, NA)N-REGU	2212, PG III LATED					<u> </u>
SECTION VIII SPECIAL HANDLING I	NSTRUC	TIONS AND ADDITIO	NAL INFO	RMATION	- 🗓		
NONE							
SECTION IX GENERATOR CERTIFICATION			SECTIO	N V ADEDATOR OFFI	4		
I hereby certify that the above named materia by 40 CFR Part 261 or any applicable state law, ha and packaged, and is in proper condition for the	l is not a ha	zardous waste as defined	I here	by declare that the contont			
and packaged, and is in proper condition for tra	s deen prop nsportatio	erly described, classified according to applicable	scribed and are i	above by proper shipping na	r e. ind are classifi	ent are fully ar ed packed, ma	nd accurately de- rked and labeled.
dous waste subject to the Land Disposal Restri	ctions, I ce	rtify and warrant that the	internati	n all respects in proper condi onal and government regula	tion for transport by	highway accord	ding to applicable
a no ronger a nazardous waste as defined by a	IO CER Par	1 261.					
Print/Type/Name & Jitle /	PROT.	SPEC. 01 A4G			P. S.		
Karl Will		Shipment Date	Print/Ty	pe Name & Title		5	Shipment Date
Signature			Operato	rs Signature			
		TRANS	PORTER	Africa Total Control			
SECTION XI TRANSPORTER I NAME OF CO. K.L. /NMAN 7	Ruck	-AV-	SECT	ON XII TRANSPORT	135 d 2		
ADDRESS HWY 51 BRIGHTON,			1	OF CO	- ½		
DRIVER MITTER NAME THE COM	Pto	N	ADDR				
TRUCK NO. FLEG PHONE NO. 6	, 37-58	388		Print/Type Name/Title			
Acknowledgement of receipt of materials.			1	NO PHC wledgement of receipt of the control of the contro	NO		
Signature Campton		4-1-00			atenais.		
V		Date	Signature		<u> </u>	Dat	e
		DISPOS	SAL SITE				
DISCREPANCY INDICATION SPACE			DISPO	SAL COORDINATES	8		
			(Landiii	l use only)	1		
Print/Type Name			Signature/Da	te			
SITE AND ADDRE	SS			Dicpos			- · - · - ·
SOUTH SHELBY 5494 MALONE RD. PER	MIT# SNL	79-106-0135		DISPOSA	AL INSTRUCTIO	INS	
Thereby certify that the above material has been	PERMIT# S	MI 70 400 000 /			1		
my knowledge the foregoing is true and accurate	.//	to the best of		MIX WITH BI	ciano c		
AUTHORIZED AGENT (PLEAS	F/L SE PRINT)			AT TOE OF	.4.		
- Fau Swish		8-1400		THE SOLUTION	arur L		
SIGNATURE OF AUTHORIZED AGENT	<u> </u>	Receipt Date			A		
GENERATOR/OPERATOR ORIGINAL - WHITE .	DISTRICT O	FFICE - GREEN . LAN	IDFILL – YELL	OW • TRANSPORTER	FigNik - ocu	CDATOD CU C	

	GENE	RATOR		, p
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE	COMPLETE SECTIONS: I.,COMPLETE SECTIONS: I t	II., V., VII., VIII., IX., XI hru XII (Section 1, if required to a	analyze for hazardous waste o	characteristics)
SECTION I BEI WASTE CODE THOU			N	
SECTIONII GENERATOR NAME NAVAL SUPPORT ACTIVITY	MIN SOLUTION		GENERATING LOC	ATION
MAILING ADDRESS 5922 /NTEGAT		MN. TN 38,054	PHONE NO. 8	14-3902
SECTION III OPERATOR/CONTRACTOR			EHONE NO	
NAME LORPS OF ENLINEERS ADDRESS 2915 PIVERPORT RD,	Ma Cia Ailie -	71 20 126	_	
SECTION IV OWNER		· · ·	FHONE NO. 540	7-0947
NAME NAVAL SUPPORT ACTIVI	79 MID JOUR	M	_ FHONE NO. 874	1-5904
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old	Millington Rd. N	Millington, Tenn. 380	HYSICAL SITE LO	CATION
South Shelby Landfill 5494 Ma	lone Rd. Memph		 PHONE NO(901)	872-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Me	emphie TN 38105	÷ .	
Tenn. Div. of Air Pollution 295 Sur			(901)) 576-7588) 423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	TYPE	UNITS
FUEL OIL CONTAMINATED SOIL + DEBRIS	NO. TYPE	UNIT	I N -METAL DRUM	P-POUND Y-YARDS
Sole (DEDRE)	17		E'A -6MIL PLASTIC BAGS/WRAP	M³-CUBIC METER
ŕ			1 RUCK (OTHER	Y³-CUBIC YARDS
ASBESTOS WASTE BO Ashestos 9 NA	0010 DO III		1	0-OTHER
REGULATED RO, Asbestos, 9, NA			3	
SECTION VIII SPECIAL HANDLING INSTRUC	FIONS AND ADDITIONA	AL INFORMATION	<u>R</u>	
NONE			\$ 55	
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CERT	TIFLATION (ASBESTOS)	
I hereby certify that the above named material is not a hat by 40 CFR Part 261 or any applicable state law, has been prop and packaged, and is in proper condition for transportatior regulations; AND, if the waste is a treatment residue of a prodous waste subject to the Land Disposal Restrictions, I ce waste has been treated in accordance with the requiremen	perly described, classified n according to applicable eviously restricted hazar- rtify and warrant that the ts of 40 CER Part 268 and	I hereby declare that the conte scribed above by proper shipping and are in all respects in proper cor international and government reg	ents of this consignment are ful narie indiare classified packed ndition for transport by highway a	marked and labeled
is no longer a hazardous waste as defined by 40 CFR Par RANPG WILSON EAST. PROF. SPEC.); 2	
Print/Tyge Name & Trife	Shipment Date	Print/Type Name & Title	— <u> </u>	Shipment Date
Signature Market		Operators Signature	#	
	TRANSP	ORTER		
SECTION XI TRANSPORTER I		SECTION XII TRANSPO	PRT⊞R 2	
NAME OF CO. K.L. INMAN TRUCK ADDRESS HUNSI BRIGHTON, TN		NAME OF CO	_	
ADDRESS HWY 51 BRIGHTON, TN.	380//	ADDRESS	 	
Privit/Type Name/Title	000	DRIVER	\$.	
TRUCK NO. 5 PHONE NO. 83/-3 Acknowledgement of receipt of materials.		TRUCK NO P Acknowledgement of recei	HO NO.	
16. 611	8-1-00	Actiomedgement of recei	pre materials.	
Signature	Date	Signature		Date
	DISPOSA	LSITE		
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATE (Landfill use only)	S	•
rint/Type Name	Si	ignature/Date		
SITE AND ADDRESS		DISPO	DSAU INSTRUCTIONS	
✓ SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# hereby certify that the above material has been accepted ny knowledge the foregoing is true and accurate.	SNI 79-106-0224		35 X 3	
AUTHORIZED AGENT (PLEASE PRINT)		AT TOE	HEFUSE DRISLOPE	
SIGNATURE OF AUTHORIZED AGENT	8-1-00	mi lue (ン川らしいド	
S. G. S.	Receipt Date		ž.	

	GENE	ERATOR	Area Area Area Area Area Area Area Area		
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WAST	COMPLETE SECTIONS: 1. E-COMPLETE SECTIONS: 11	, II., V., VII., VIII., IX., XI thru XII (Section 1, if required to	anal de for hazardo	us waste cha	racteristics)
SECTION I BFI WASTE CODE TNOZ,	1010504 N	V0,903/88			·
SECTION II GENERATOR	TA MIN KOIT	4	GENERAT	ING LOCAT	TON
NAME NAVAL SUPPORT ACTIVITY MAILING ADDRESS 59 ZZ /WYECKITY	DR ANILIANI	TOWN TAN BROST	I_{i}^{*}		1-5902
SECTION III OPERATOR/CONTRACTOR	7 DK/HIICG/VU	7010, 710 7703 7	PHONE NO)	
NAME CORPS OF ENGINEER		·	· .		
ADDRESS E915 RIVERPORT RO,	MEMPHIS, TA	0 38/09	PHONE NO	544-	0947
SECTION IV OWNER NAME NAVAC SUPPORT ACTIO	WITH MID DOG	174	HONE NO		
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 OI			PHYSICAL		
		· · · · · · · · · · · · · · · · · · ·		(004)	222 222
South Shelby Landfill 5494 Massection vi Responsible agency (Loca		is, Tenn. 38116	— PHONE NO)_ (901) {	872-7200
Mphs. & Shelby Cty Health Dept.	814 Jefferson M	emphis, TN 38105		(901) (576-7588
Tenn. Div. of Air Pollution 295 Su	mmer Jackson, T	N 38301-3984	— ∰'HONE NO		423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	TYI		UNITS
FUEL OIL CONTAMINATED	NO. TYPE	UNIT	DM-METAL (M-PLASTIC	DRUM	P-POUND Y-YARDS
SULL & DEBRIS	117		₩~6MIL PLA	ASTIC	M³-CUBIC
			BAGS/W	HAP	METER Y3-CUBIC
			O-OTHER		YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA	\2212, PG III		<u></u>		0-OTHER
REGULATED NON-REGU			j		
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITION	AL INFORMATION	i i		
NONE			j.		
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CER	RTIFICACION (ASBE	STOS)	
I hereby certify that the above named material is not a h by 40 CFR Part 261 or any applicable state law, has been pro	perly described, classified	I hereby declare that the con- scribed above by proper shippin	tents of this consign	ment are fully	and accurately de-
and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a c	on according to applicable previously restricted hazar.	and are in all respects in proper co international and government re	ondition or transport	by highway acc	ording to applicable
dous waste subject to the Land Disposal Restrictions, I c waste has been treated in accordance with the requireme	ertify and warrant that the nts of 40 CFR Part 268 and	international and government re	guranojes.		
s no longer a hazardous waste as defined by 40 CFR Pa	art 261.				
RANDAY WICON ENV. PLOT. O	Shipment Date	Print/Type Name & Title	-		Shipment Date
- Till Type I daile & Tiley	Shipment bate	Thin type Name a Time	<u></u>		orapinent bate
Signature		Operators Signature			
	TRANSF	PORTER			
SECTION XI TRANSPORTER I	410	SECTION XII TRANSP	ORTÆR 2		
NAME OF CO. R. L. NOMAN TRUCK NODRESS HWY. SI BRIGHTON, TN	138111	NAME OF CO			
DRIVER KON (accoll	28011	ADDRESS			
Print/Type Name/Title	3868	Print/Type Name/Tit	31.5		·
RUCK NO. 5 PHONE NO. 837 Acknowledgement of receipt of materials.	2000	TRUCK NO Acknowledgement of rece	PHONE NO		
Lan And		Acknowledgement of rece	apt comaterials.		
ignature	Date	Signature	Ţ.		Date
	DISPOS	AL SITE			
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINAT	ES :		
		(Landfill use only)	į.		
was Town					
rint/Type Name		Signature / Date	.) V (4		
SITE AND ADDRESS		DISF	POSALINSTRUC	TIONS	
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT#SI North Shelby 7111 old Millington Rd. Permit	IL 79-106-0135				
hereby certify that the above material has been accepte	n one 19-100-0224 ed and to the best of		 ₩		
ny knowledge the foregoing is true and accurate.		MIX WITI	- FEFUSI		
AUTHORIZED AGENT (PLEASE PRIN	IT)	ATTOE	OFSLOP	 , (c. ,	
In In the	タントカハ				
SIGNATURE OF AUTHORIZED AGENT	Receipt Date				
ENERATOR/OPERATOR ORIGINAL WHITE	T DESIDE ODEEN LA	NDERL VELLOW TOWNS	OTES DIVIN	0511504765	

李子·李子·魏人不是张士	GENE	RATOR				
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE	COMPLETE SECTIONS: I., -COMPLETE SECTIONS: I th	II., V., VII., VIII., IX., XI ru XII (Section 1, if required to ar	nal ge	for hazardous waste char	acteristics)	
SECTION BFI WASTE CODE TNOL	1/010504 NO	0.003188				
SECTION II GENERATOR NAME NAME NAME NAME NAME NAME NAME NAME	y MID SOUTH			PHONE NO. 874-5902		
MAILING ADDRESS SGET INTECRITY	PR, MICUNITO	U, TN 38054	_ (p	HONE NO		
SECTION III OPERATOR/CONTRACTOR NAME COTOPS OF ENGINEE			-			
ADDRESS 2915 RIVERPORT RESECTION IV OWNER		N 38109	— ஆீ 	HONE NO. 544.	0147	
NAMENAUAL SUPPORT ACTIO	MID SOC	ATH .		HONE NO. 874-	5904	
North Shelby Landfill 7111 Old	d Millington Rd. M	Millington, Tenn. 380	<u>1</u> 25	HYSICAL SITE LOCA	TION	
South Shelby Landfill 5494 Ma		s. Tenn. 38116	ÎFI	HONE NO (901) 8	72-7200	
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Me	emphis, TN 38105	- W	(901) 5	76-7588	
Tenn. Div. of Air Pollution 295 Sur	<u>mmer Jackson, T</u>	N 38301-3984	- #	HONE NO. (901) 4	23-6484	
SECTION VII DESCRIPTION OF WASTE FYEL BIL CENTAMINATED SOIL + DEBILLS	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	DW EA-	TYPE -METAL DRUM -PLASTIC DRUM -6MIL PLASTIC BAGS/WRAP RUCK DTHER	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS O-OTHER	
ASBESTOS WASTE RQ, Asbestos, 9, NA REGULATED NON-REGUI		- 			<u> </u>	
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONA	L INFORMATION				
NONE			- G	·		
I hereby certify that the above named material is not a ha by 40 CFR Part 261 or any applicable state law, has been proy and packaged, and is in proper condition for transportatio regulations; AND, if the waste is a treatment residue of a product waste subject to the Land Disposal Restrictions, I cowaste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Particles.	perly described, classified in according to applicable reviously restricted hazar- etily and warrant that the its of 40 CFR Part 268 and it 261.	SECTION X OPERATOR CERT I hereby declare that the conte scribed above by proper shipping and are in all respects in proper con international and government regu	nts of a name a diti and	his consignment are fully and are classified packed, more transport by highway according to the contract of th	arked and labeled.	
Print/Type Name & Title	Shipment Date	Print/Type Name & Title	**************************************		Shipment Date	
Signature		Operators Signature				
	TRANSP	ORTER				
SECTION XI TRANSPORTER I NAME OF CO. X.L. /NMAN TRUCK	(ING	SECTION XII TRANSPO	R1 E	R 2		
ADDRESS/HWY 51 BRIGHTON, TN		ADDRESS				
DRIVER		DRIVER	<u></u>			
TRUCK NO PHONE NO. 837-3	3888	TRUCK NOP	HOÑ	NO		
Acknowledgement of receipt of materials.		Acknowledgement of receip	pt ch	naterials.		
Signature	Date	Signature			Date	
	DISPOSA	ALSITE		1		
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATE (Landfill use only)	s ,			
Print/Type Name	I	Signature / Date	<u></u>			
SITE AND ADDRESS		DISPO	os.ų	INSTRUCTIONS		
SOUTH SHELBY 5494 MALONE RD. PERMIT# SN NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# Thereby certify that the above material has been accepte my knowledge the foregoing is true and accurate. AUTHORIZED AGENT (PLEASE PRINT	I SNL 79-106-0224 d and to the best of	MIX V AT TO		Ų.		
SIGNATURE OF ANTHORIZED AGENT GENERATOR / OPERATOR ORIGINAL - WHITE · DISTRIC	8-/- DO Receipt Date T OFFICE - GREEN · LAN	DFILL-YELLOW • TRANSPOR	TEAR.	PINK - GENERATOR F	II F – GOI DENROD	

	GEN	ERATOR	
GENERATOR SPECIAL WASTE INSTRUCTIONS ASBESTOS WAS	– COMPLETE SECTIONS: 1. TE–COMPLETE SECTIONS: 1	, II., V., VII., VIII., IX., XI thru XII (Section 1, if required to	analyze or hazardous waste characteristics)
SECTION I BFI WASTE CODE TROZ	11010504 NO	0.003/88	
SECTION II GENERATOR NAME NAVAL SUPPORT ACTION	ITY MIN SOUTH	(GENERATING LOCATION FHONE NO. B74-5902
MAILING ADDRESS 5922/NTECKITY			PHONE NO
SECTION III OPERATOR/CONTRACTOR NAME CORPS OF ENGINEE	xes		:
ADDRESS 2915 RIVERPORT A	D, MEMPHIS, 7	TN 38109	FHONE NO. 544-0947
NAME NAVAL SUPPORT ACTI	UTY MID 50	4714	HONE NO. 874-5904
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 C	ld Millington Rd.	Millington, Tenn. 38	PHYSICAL SITE LOCATION
☐ South Shelby Landfill 5494 M		nis, Tenn. 38116	
SECTION VI RESPONSIBLE AGENCY (LOC Mphs. & Shelby Cty Health Dep	cal, state, epa) t. 814 Jefferson M	emphis, TN 38105	(901) 576-7588
Tenn. Div. of Air Pollution 295 S	ummer Jackson,	FN 38301-3984	EHONE NO(901) 423-6484
SECTION VII DESCRIPTION OF WASTE FUEL OIL CONTAMINATED	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	TYPE UNITS DM -METAL DRUM P-POUND P-PLASTIC DRUM Y-YARDS
SOK + DEBRIS			EA-6MIL PLASTIC BAGS/WRAP METER TRUCK CLOTHER W3-CUBIC YARDS
ASBESTOS WASTE RQ, Asbestos, 9, N	•		O-OTHER
REGULATED NON-REG		IAI INFORMATION	
NONE	OTTORIO AND ADDITION	ALIM ORMATION	
SECTION IX GENERATOR CERTIFICATION	· · · · · · · · · · · · · · · · · · ·	CECTION V OCCUPATOR OF	<u> </u>
Thereby certify that the above named material is not a by 40 CFR Part 251 or any applicable state law, has been p and packaged, and is in proper condition for transporta regulations; AND, if the waste is a treatment residue of dous waste subject to the Land Disposal Restrictions, waste has been treated in accordance with the requirer is no longer a hazardous waste as defined by 40 CFR	roperly described, classified tion according to applicable a previously restricted hazar-certify and warrant that the tents of 40 CFR Part 268 and	I hereby declare that the con scribed above by proper shippin	RTIFICATION (ASBESTOS) tents of this consignment are fully and accurately deginar, exand are classified packed, marked and labeled, ondit, as for transport by highway according to applicable gulations.
RANGY WILSON FROT. ST Printylyge Name & Fille	Shipment Date	Print/Type Name & Title	Shipment Date
Signature		Operators Signature);
	TRANS	PORTER	
SECTION XI TRANSPORTER!	4	SECTION XII TRANSP	ORTÉR 2
NAME OF CO. K. L. /NMAN TRUCK	1 30011	NAME OF CO.	
DRIVER MITCHELL COM	D + 11 10	ADDRESS	ġ
Print/Type Name/Title	3600	Print/Type Name/Ti	\ .
TRUCK NO. AL & PHONE NO. 897. Acknowledgement of receipt of materials.	0000	TRUCK NO Acknowledgement of rec	
Signature Congle	Date S Sud	Signature	Date
Gignetore			Date
	DISPOS	SALSITE	
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINAT (Landfill use only)	TES
Print/Type Name		Signature/Date	हा इं
SITE AND ADDRESS		DIS	POSAL NSTRUCTIONS
OSOUTH SHELBY 5494 MALONE RD. PERMIT# NORTH SHELBY 7111 OLD MILLINGTON RD. PERM Thereby certify that the above material has been acce my knowledge the foregoing is true and accurate.	SNL 79-106-0135 IT# SNL 79-106-0224 oted and to the best of	TIMI YIKE	H REFUSE
AUTHORIZED AGENT (PLÉASE PR		AT TOE	H REFUSE OF SLOPE
GENERATOR/OPERATOR ORIGINAL - WHITE . DISTI	RICT OFFICE - GREEN • LA	NDFILL - YELLOW . TRANSP	ORTER PINK - GENERATOR FILE - GOLDENROD

NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

		GENE	RATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE— ASBESTOS WASTE—	COMPLETE SECTIONS: I., COMPLETE SECTIONS: I t	II., V., VII., VIII., IX., XI hru XII (Section 1, if required	to analyz	e for hazardous waste cha	racteristics)
SECTION I BFI WASTE CODE	= TNOZII	010504 NO	003/88		ia	
SECTION II GENERATOR	TE AATULT	AND SOUTH	· · · · · · · · · · · · · · · · · · ·		GENERATING LOCAT	TION
NAME NAVAL SUPPOR MAILING ADDRESS 5922					PHONE NO. <u>879</u>	1-2702
SECTION III OPERATOR/COL	,	pr, michion	00,710,78037		PHONE NO	
NAME CORPS OF EX	OINEERS,			:	; ;	
ADDRESS 2915 RIVERP	BORT RP, M	KM7415, TN	, 38109		FHONE NO. 544 -	2947
NAME NAVAL SUPPO		ry MIN SOUTH	2.1		HONE NO 874-	5904
SECTION V WASTE DISPOSA North Shelby Land	ALSITE fill 7111 Old	Millington Rd. N	Millington, Tenn. 3	8053	HYSICAL SITE LOCA	ATION
South Shelby Land			is, Tenn. 38116		HONE NO. (901)	872-7200
SECTION VI RESPONSIBLE A Mphs. & Shelby Cty H	GENCY (LOCAL ealth Dept. 8	, <mark>STATE, EPA)</mark> 314 Jefferson Me	emphis, TN 38105		(901)	576-7588
Tenn. Div. of Air Pollut	ion 295 Sum	nmer Jackson, T	N 38301-3984		HONE NO. (901)	
SECTION VII DESCRIPTION OF FUEL OIL CONTAMINA SOIL + PEBRIS	OF WASTE OATED	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT)	TYPE \ -METAL DRUM \ -PLASTIC DRUM	UNITS P-POUND Y-YARDS
		1 T		ۇر. ئۇر	A-6MIL PLASTIC BAGS/WRAP VRUCK THER	M³-CUBIC METER Y³-CUBIC YARDS
	Asbestos, 9, NA2					0-OTHER
REGULATED	NON-REGULA					
SECTION VIII SPECIAL HANDI	LING INSTRUCT	IONS AND ADDITIONA	AL INFORMATION			
SECTION IX GENERATOR CERTIFIC	ATION		SECTION X OPERATOR C	EDTIEIC	TON (ASBESTOS)	
I hereby certify that the above named by 40 CFR Part 261 or any applicable stat and packaged, and is in proper conditio regulations; AND, if the waste is a treatr dous waste subject to the Land Dispose waste has been treated in accordance we is no longer a hazardous waste as defi	le law, has been prope on for transportation ment residue of a preval al Restrictions, I cert with the requirements ined by 40 CFR Part	orly described, classified according to applicable viously restricted hazar- tify and warrant that the sof 40 CFR Part 268 and 261.	I hereby declare that the or scribed above by proper shipp and are in all respects in proper international and government	ontents o ling name	f his consignment are fully and are classified packed, no or transport by highway acc	narked and labaled
RANDY WILSON ENL	1. MOT. 7P	Shipment Date	Print/Type Name & Title)	Shipment Date
Kallah					`. 	
Signature			Operators Signature	·		
		TRANSP			1	
SECTION XI TRANSPORTER I NAME OF CO. R. L. / NAMA !	N TRUCK	NG-	SECTION XII TRANS	PORT	F 2	
ADDRESS / HWY 5/ BRIC	GHTON, TN.		NAME OF CO ADDRESS		D .	· · · · · · · · · · · · · · · · · · ·
DRIVER Reint/Type Name / Title	<u> </u>		DRIVER			
TRUCK NO PHONE I	NO. 831-38	368	Print/Type Name/TRUCK NO.	ritie _ PHO∴	JE NO.	
Acknowledgement of receipt of ma			Acknowledgement of re		٠.	
Signature		Date	Signature		Td.	Date
		DISPOSA	ALSITE		do)	e transfer to the
DISCREPANCY INDICATION SPA	ICE		DISPOSAL COORDINA (Landfill use only)	ATES		
Print/Type Name		s	ignature/Date		·	
SITE AND	ADDRESS		DIS	SPOSA	INSTRUCTIONS	
SOUTH SHELBY 5494 MALON NORTH SHELBY 7111 OLD MILLIN I hereby certify that the above material my knowledge the foregoing is true and	IGTON RD. PERMIT# S has been accepted:	SNL 79-106-0224			**************************************	
Fays	n.th		RAIVI	MITI	Chilling C	
Face Si	NT (PLEASE PRINT)	8-1+00	AT TO	DE G	Proces	•
SIGNATURE OF AUTHORIZED AGE	NT	Receipt Date		<u> </u>		

GENERATOR/OPERATOR ORIGINAL - WHITE . DISTRICT OFFICE - GREEN . LANDFILL - YELLOW . TRANSPORTER PINK . GENERATOR FILE - GOLDENBOOD



	GENER	ATOR			Marine Barrell	
INSTRUCTIONS ASBESTOS WASTE-	COMPLETE SECTIONS: I., II. -COMPLETE SECTIONS: I thru	XII (Section 1, if required to	o analy e	for hazardous waste char	acteristics)	
SECTION BFI WASTE CODE TN 02//	01 0504 NO.	003/88				
SECTION II GENERATOR NAME NAVAL SUPPORT ACTIVITY	MID SUGTH			GENERATING LOCATION FHONE NO. 874590Z		
MAILING ADDRESS 5922 /NTEGRITY	DR., MICCINGT	ON, TN 38054	_	PHONE NO		
SECTION III OPERATOR/CONTRACTOR NAME LORPS OF ENGINEERS			3*.			
ADDRESS 2915 LIVER PORT RE	, MEMPHIS, TI	N 38109		HONE NO. 544-	カテリフ	
SECTION IV OWNER NAME NAVAL SUPPORT ACTIVITY	MIS SOUTH			HONE NO. 874-	5904	
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old	i Millington Rd. Mi	Ilington, Tenn. 38	30 <u>5</u> 3	HYSICAL SITE LOCA	TION	
☐ South Shelby Landfill 5494 Ma		HONE NO. (901) 8	372-7200			
Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Mer	nphis, TN 38105		(901) 5	76-7588	
Tenn. Div. of Air Pollution 295 Sur	mmer Jackson, TN	1 38301-3984		10NE NO(901) 4	123-6484	
SECTION VII DESCRIPTION OF WASTE FUEL OIL CONTAMINATED SOIL + DEBRIS	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	D.V D.V B.A T2	TYPE -METAL DRUM PLASTIC DRUM - 6MIL PLASTIC BAGS/WRAP RUCK	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC	
			C	OTHER	YARDS O-OTHER	
ASBESTOS WASTE RQ, Asbestos, 9, NA REGULATED NON-REGU			3 9			
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONAL	INFORMATION	<u>.</u>			
NONE						
SECTION IX GENERATOR CERTIFICATION I hereby certify that the above named material is not a haby 40 CFR Part 261 or any applicable state law, has been proy and packaged, and is in proper condition for transportatio regulations; AND, if the waste is a treatment residue of a p dous waste subject to the Land Disposal Restrictions, I or waste has been treated in accordance with the requiremer is no longer a hazardous waste as defined by 40 CFR Pa	perly described, classified n according to applicable reviously restricted hazar- ertify and warrant that the nts of 40 CFR Part 268 and rt 261.	SECTION X OPERATOR C I hereby declare that the cc scribed above by proper shipp and are in all respects in proper international and government	ontents cf, ping name, rcondition	and are classified packed, n for transport by highway acc	narked and labéled,	
Print/Type Name & Xille	Shipment Date	Print/Type Name & Title			Shipment Date	
Signature (affilia		Operators Signature				
美数是 医骨髓 医乳管管 医皮肤	TRANSPO	ORTER				
SECTION XI TRANSPORTER I NAME OF CO. R. L. INMAN TRUCK	INL	SECTION XII TRANS	PORTE	≒2		
ADDRESS HW451 BRIGHTON,	N 380/1	ADDRESS		<u>-</u>		
DRIVER WITCH ELLOW	pton	DRIVER	Title	·		
TRUCK NO. RL #6 PHONE NO. 837-3	888	TRUCK NO				
Acknowledgement of receipt of materials.	8-1-00	Acknowledgement of re	eceipt o	materials.		
Signature Curpton	Date Date	Signature		! ————————————————————————————————————	Date	
	DISPOSA	SITE				
DISCREPANCY INDICATION SPACE		DISPOSAL COORDIN (Landfill use only)	ATES	j.	·	
Print/Type Name	Si	ignature/Date	, ,			
SITE AND ADDRESS		DI	SPOS/(INSTRUCTIONS		
NORTH SHELBY 5494 MALONE RD. PERMIT# SI NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT I hereby certify that the above material has been accept my knowledge the foregoing is true and accurate.	# SNL 79-106-0224	MIXW	ITH 🕏	REFUSE		
AUTHORIZED AGENT (PLEASE PRIN LOLL SIGNATURE OF AUTHORIZED AGENT CENERATOR OPERATOR ORIGINAL - WHITE - DISTRIL	S-/-20 Receipt Date CT OFFICE - GREEN . LANG	AT TO		.SLOFE	FII F – GO! DENROD	

NON-HAZARDOUS SPECIAL AND ASSESTOS WASTE MANIFEST

	GENE	RATOR	2	
GENERATOR S INSTRUCTIONS A	PECIAL WASTE— COMPLETE SECTIONS: I. SBESTOS WASTE—COMPLETE SECTIONS: I I	, II., V., VII., VIII., IX., XI hru XII (Section 1, if required to analy	ਹੁੰ ਟ੍ਰੌe for hazardous waste cha	racteristics)
	TN02110105041		Y	· · · · · · · · · · · · · · · · · · ·
SECTION II GENERATOR	ACTIVITY MID SOUT	14	GENERATING LOCAT	TION U-55AZ
	INTEGRITY PR. MICLIN	LICIAL TAL BRAGE	ੂ"HONE NO. <u> </u>	7 - 100
SECTION III OPERATOR/CON			TONE NO.	
		Tal 8010C	di.	-8807
SECTION IV OWNER		TN, 58109	PHONE NO. 544	
NAME NAUAL SUPPOR	& ACTIVITY MID 50	UTH	PHONE NO. 874-	5904
SECTION WASTE DISPOSA North Shelby Landf	LSITE ill 7111 Old Millington Rd. I	Millington, Tenn. 38053	PHYSICAL SITE LOCA	ATION
South Shelby Landf	ill 5494 Malone Rd. Memph		HONE NO. (901)	872-7200
SECTION VI RESPONSIBLE A Mphs. & Shelby Cty He	gency (Local, State, EPA) ealth Dept. 814 Jefferson Me	emphis, TN 38105	ē (001) i	576-7588
	on 295 Summer Jackson, T		(901) : HONE NO. (901)	
SECTION VII DESCRIPTION O FURC OIL CONTAM SOIC & DEBLIS	NO. TYPE	TOTAL QUANTITY UNIT	TYPE 11-METAL DRUM 1M-PLASTIC DRUM 1-6MIL PLASTIC BAGS/WRAP - TRUCK OTHER	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS O-OTHER
ASBESTOS WASTE RO, A	sbestos, 9, NA2212, PG III NON-REGULATED		94 \$2	TO CITIZIT
	ING INSTRUCTIONS AND ADDITION	AL INFORMATION	3	
NONE				
by 40 CFH Part 251 or any applicable state and packaged, and is in proper condition egulations; AND, if the waste is a treatm fous waste subject to the Land Disposa waste has been treated in accordance w s no longer a hazardous waste as defir		SECTION X OPERATOR CERTIFIST I hereby declare that the contents' scribed above by proper shipping nary and are in all respects in proper condition international and government regular to	this consignment are fully and are classified packed, not for transport by highway acc	narked and labeled
Print/Type Name & Tipg	NU PROT. SPEC. OI AUG-CA Shipment Date	Print/Type Name & Title	9 0 2 7	Shipment Date
Signature Signature		Operators Signature		
Signature //	TRANSF			
SECTION XI TRANSPORTER I	MAIG	SECTION XII TRANSPORT	E 3.2	
	IN TRUCKING	NAME OF CO.		
DRIVER DE O	470N, TN 38011	ADDRESS	÷ ————	
Print/Type Name/Title	NO. 231- 3888	DRIVERPrint/Type Name/Title		
RUCK NO. PHONE Nacknowledgement of receipt of ma		TRUCK NO PHO: Acknowledgement of receipt c		
L Cle			1	
ignature /	Date	Signature	¥	Date
	DISPOS			
IISCREPANCY INDICATION SPA	CE	DISPOSAL COORDINATES (Landfill use only)	# - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
rint/Type Name		Signature / Date		
SITE AND	ADDRESS	DISPOSA	L INSTRUCTIONS	
SOUTH SHELBY 5494 MALON ANDRIH SHELBY 7111 OLD MILLIM thereby certify that the above material if ty knowledge the foregoing is true and AUTHORIZED AGE AUTHORIZED AGE	GTON RD. PERMIT# SNL 79-106-0224	MIX WITH F AT TOE OF		
SIGNATURE OF AUTHORIZED AGE			ોં એ લા.	

GENERATOR/OPERATOR ORIGINAL - WHITE · DISTRICT OFFICE - GREEN · LANDFILL - YELLOW · TRANSPORTER PINK · GENERATOR FILE - GOLDENROD

LMS TICKET NO. 15908

	GENE	RATOR			
INSTRUCTIONS ASBESTOS WASTE	COMPLETE SECTIONS: I., I -COMPLETE SECTIONS: I thi	u XII (Section 1, if requ	ired to analy	e lor hazardous waste char	acteristics)
SECTION BFI WASTE CODE TN 82/1	01 05 04 NE	.003188		· · · · · · · · ·	
SECTION II GENERATOR NAME NAVAL SUPPORT ACTIVITY				GENERATING LOCATI PHONE NO. <u>874</u>	ON -5902
MAILING ADDRESS 5922 / NTEGETTY	DR, MILLINGTO	W, TN 380	<u>54</u>	PHONE NO	
SECTION III OPERATOR/CONTRACTOR NAME CORRS OF ENGINEERS					
ADDRESS 2915 RIVER POLT RD	, MEM PH15, 7	N 38109	<i>:</i>	F HONE NO. 544-	8941
NAME NAVAL SUPPORT ACTIO	177 MID 500	aTH		HONE NO. 874-	5904
North Shelby Landfill 7111 Old			n. <u>3805</u> 3)	PHYSICAL SITE LOCA	TION
South Shelby Landfill 5494 Ma		s, Tenn. 38116		PHONE NO. (901) 8	72-7200
Mphs. & Shelby Cty Health Dept.	814 Jefferson Me		<u>05</u>	τ. ΄	76-7588
Tenn. Div. of Air Pollution 295 Sur	<u>mmer Jackson, Tl</u>	N 38301-3984		40NE NO. (901) 4	123-6484
SECTION VII DESCRIPTION OF WASTE FUEL OIL GONTAMINATED SO IL & DEBRIS	CONTAINERS NO. TYPE	TOTAL QUAN UNIT) (b) (b)	TYPE I-METAL DRUM M-PLASTIC DRUM A-6MIL PLASTIC BAGS/WRAP FRUCK TRUCK	UNITS P-POUND Y-YARDS M°-CUBIC METER Y°-CUBIC YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA REGULATED NON-REGU					
REGULATED NON-REGU		LINFORMATION			
NONE					
SECTION IX GENERATOR CERTIFICATION I hereby certify that the above named material is not a hit by 40 CFR Part 261 or any applicable state law, has been propend packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a podous waste subject to the Land Disposal Restrictions, I compared to the law of the subject of the Land Disposal Restrictions, I compared has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Page 1997.	perly described, classified on according to applicable reviously restricted hazar- ertify and warrant that the nts of 40 CFR Part 268 and rt 261.	I hereby declare that scribed above by proper and are in all respects in international and govern	the contents of shipping name proper condition	A' ION (ASBESTOS) If this consignment are fully and are classified packed, in or transport by highway accords.	narked and labéled,
Print/Type Name & Title	Shipment Date	Print/Type Name & Title	· · ·	V V	Shipment Date
Signature		Operators Signature		4	
	TRANSP	ORTER			
SECTION XI TRANSPORTER!		SECTION XII TE	RANSPORT	ER 2	
NAME OF CO. R.L. INMAN TRUCK ADDRESS HWY SI BRIGHTON, 7		NAME OF CO ADDRESS		<u>. </u>	· · · · · · · · · · · · · · · · · · ·
DRIVER MITCHELL CON	n PtoN	DRIVER		N	
Print/Type Name/Title TRUCK NO. 126 PHONE NO. 937-3	888	Print/Type N		N. = NO	
Acknowledgement of receipt of materials.	<u> </u>	Acknowledgemen	,	. 2	
Signature Signature	Date	Signature		<u>*</u>	Date
化铁铁 医环动物 医骨头畸胎 战争	DISPOSA	ALSITE			
DISCREPANCY INDICATION SPACE		DISPOSAL COOF (Landfill use only)	RDINATES		
Print/Type Name		Signature / Date			
SITE AND ADDRESS				LINSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SI NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT I hereby certify that the above material has been accept my knowledge the foregoing is true and accurate. AUTHORIZED AGENT (PLEASE PRIN	# SNL 79-106-0224 ed and to the best of	1	MIX WI	FASLUTE OF SLAT	
SIGNATURE OF AUTHORIZED AGENT GENERATOR (OPERATOR ORIGINAL - WHITE DISTRIE	Receipt Date	rDFILL – YELLOW •	TRANSPORTE	4- PINK • GENERATOR	FILE – GOLDENROD

LMS TICKET NO. 15913

Nº 060487

		GEN	IERATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE— ASBESTOS WASTE	COMPLETE SECTIONS: -COMPLETE SECTIONS:	I., II., V., VII., VIII., IX., XI I thru XII (Section 1, if required to	ana ve for t	nazardous waste cha	racteristics)
SECTION I BFI WASTE CO				<u>v</u>		
SECTION II GENERATOR	OF DITION	THE MIN SOUTH		GEN	IERATING LOCAT	TION
MAILING ADDRESS 5927	- INTEGRIT	n DR MIL	MCTON TAI 300	PHO	NE NO. <u>87</u> 0	4-3406
SECTION III OPERATOR/C	ONTRACTOR		100, 000, 170 DBa	Z HPHO	NE NO	
NAME CORPS OF	ENY-INEEK			#	_	
ADDRESS 2915 RIV	ERPORT	RD, MEMIPH	15, TN 38/09	[®] >HO	NE NO. 344-	0947
SECTION IV OWNER NAME NAME NAME SUP,		UTY MID JE	2474	; эно	NE NO. 874-	5904
SECTION V WASTE DISPO	salsite dfill 7111 Old	Millington Rd.	Millington, Tenn. 38	^{;;} НҮ9	SICAL SITE LOCA	ATION
South Shelby Lan	dfill 5494 Mal	one Rd. Memol			NE NO. (901)	872-7200
SECTION VI RESPONSIBLE Mphs. & Shelby Cty I	AGENCY (LOCA) Health_Dept.	., STATE, EPA) 814 Jefferson M	1emphis, TN 38105	8	(901)	576-7588
Tenn. Div. of Air Pollu					NE NO(901) .	
SECTION VII DESCRIPTION	OF WASTE	CONTAINERS	TOTAL QUANTITY	7.11.01	TYPE	UNITS
FUEL OIL CONTAM		NO. TYPE	UNIT		ETAL DRUM ASTIC DRUM	P-POUND Y-YARDS
5014 + DEBK	5	1 7	-	B≱.–6M	IL PLASTIC GS/WRAP	Mº-CUBIC METER
				11-FRU O-OTH	CK	Yº-CUBIC
ASBESTOS WASTE BO				1,70111		YARDS O-OTHER
REGULATED RQ,	Asbestos, 9, NA2 NON-REGUL			1 / 10	-	
SECTION VIII SPECIAL HAN	•		NAL INFORMATION			
NONE				<u>s</u>		
SECTION IX GENERATOR CERTIF	ICATION	,.	SECTION X OPERATOR CE	RTIEICÁCION	(ACDECTOC)	
I hereby certify that the above name by 40 CFR Part 261 or any applicable st	ed material is not a haz	ardous waste as defined	I hereby declare that the con	tents of this c	onsignment are fully	and accurately de-
regulations: AND if the waste is a treat	tion for transportation	according to applicable	scribed above by proper shippir and are in all respects in proper of international and government re	ig nar≘ë and ar ondition fortra	a classifiad nackad m	netrod and labeled
waste has been treated in accordance	osal Hestrictions, I cer with the requirement	tify and warrant that the		guia ors.		
is no longer a hazardous waste as de	efined by 40 CFR Part	261.	mus A			
RANDY WILSON E	VV. PRA. D	Shipment Date	Print/Type Name & Title			Shipment Date
Signature Link						·
Signature		*****	Operators Signature			
SECTION XI TRANSPORTER		IHANS	PORTER			
	AN TRUC	EXINU	NAME OF CO.	OR ER2		
ADDRESS HWY 51 BRID	HTON, TN	38011	ADDRESS			
DRIVER Y & (a/)	Poll		DRIVERPrint/Type Name / Tit	· · · · · · · · · · · · · · · · · · ·		
TRUCK NO. 19 PHONE	ENO. <u>837-3</u>	888	TRUCK NO.	701) <u></u>	
Acknowledgement of receipt of m	rateriáls/		Acknowledgement of rec	eipt (mater	ials.	· — — — — — — — — — — — — — — — — — — —
Signature		Date	Signature		<u></u> -	Date
			J			Date
DISCREDANCY INDICATION OF	105	DISPOS	AL SITE	ų į		
DISCREPANCY INDICATION SF	ACE		DISPOSAL COORDINAT (Landfill use only)	ES 🦸		
Print/Type Name			Signature / Date	<u>#</u>		
SITE AN	D ADDRESS		Died	POSÁL INST	RUCTIONS	·
SOUTH SHELBY 5494 MALC	ONE RD. PERMIT# SNL	79-106-0135)	SOME INST	TOUTIONS	
□ NORTH SHELBY 7111 OLD MILL hereby certify that the above materia	INGTON RD. PERMIT# S	SNL 79-106-0224		18		
ny knowledge the foregoing is true ar	nd accurate.	and to the pest of				
AUTHORIZED AC	SENT (PLEASE PRINT)		WXIM	MHBE	FUSE	
4. 1	. III	8-1-00	AT TO	EOFS	LOPE	
SIGNATURE OF AUTHORIZED AC	WYL SENT	Receipt Date		7		

		GENE	RATOR	18			
GENERATOR INSTRUCTIONS	SPECIAL WASTE— ASBESTOS WASTE—	COMPLETE SECTIONS: I., COMPLETE SECTIONS: I to	II., V., VII., VIII., IX., XI rru XII (Section 1, if required to a	nalyz	or hazardous w	aste chara	acteristics)
SECTION BFI WASTE COD	E TN 021	1010504 N	p. 003/88		1		
SECTION II GENERATOR NAME NAVAL SUPPOLT	ACTIVITY M	D 500 TH			GENERATING PHONE NO.	LOCATI	ON 590Z
MAILING ADDRESS JACE /			1N 38054		FHONE NO		
SECTION III OPERATOR/CO							
ADDRESS 2915 RIVER		MEMPHIS, TA), 38109		FHONE NO. 5	-fyrc	1947
SECTION IV OWNER NAME NAVAL SUPPON	AT ACTIVITY	MID 50471			HONE NO. ${\cal S}$	74-5	704
SECTION V WASTE DISPOSE North Shelby Land	AL SITE Ifill 7111 Old	Millington Rd. N	Millington, Tenn. 380) <u>5</u> 3	HYSICAL SIT	E LOCAT	ION
South Shelby Land			s. Tenn. 38116		HONE NO(901) 8	72-7200
SECTION VI RESPONSIBLE. Mphs. & Shelby Cty F	AGENCY (LOCAL lealth Dept. 8	, STATE, EPA) 314 Jefferson Me	emphis, TN 38105		. (901) 5	76-7588
Tenn. Div. of Air Pollu				— { F	HONE NO(,	
SECTION VII DESCRIPTION OF YEL OIL CONTAMINA SOIL AND DEBRI	AYED	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	(N) (N-1) (A-1)	TYPE -METAL DRU -PLASTIC DR -6MIL PLASTIC BAGS/WRAF TRUCK OTHER	M RUM C	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS O-OTHER
ASBESTOS WASTE RQ. REGULATED	Asbestos, 9, NA2 NON-REGULA	· ·					- OTHER
ECTION VIII SPECIAL HAND	LING INSTRUCT	IONS AND ADDITIONA	AL INFORMATION				
Non	se			igi Si			
ECTION IX GENERATOR CERTIFI I hereby certify that the above name, y 40 CFR Part 261 or any applicable sta- nd packaged, and is in proper conditi- egulations; AND, if the waste is a treat ous waste subject to the Land Dispo vaste has been treated in accordance is no longer a hazardous waste as de	d material is not a haza ate law, has been prope ion for transportation tment residue of a pre- sal Restrictions, I cert with the requirements	rly described, classified according to applicable viously restricted hazar- ify and warrant that the soft 40 CFR Part 268 and	SECTION X OPERATOR CER: I hereby declare that the contest of the	nts of nar e ndition	and are classified a	are fully a	rked and labeled
Print/Type Name & Title	1. PROT. SPEC	Shipment Date	Print/Type Name & Title	— # #			Shipment Date
Signature War	~		Operators Signature				
		TRANSP	ORTER				200
ECTION XI TRANSPORTER	AN	.	SECTION XII TRANSPO	DR. É	72		
- 11	IGHTON, TI	N	NAME OF CO				
RIVER HON CALLOL	<u> </u>		DRIVER				
RUCK NO5 PHONE	NO 837-38	88	Print/Type Name/Title TRUCK NO	HO	E NO.		
cknowledgement of receipt of m			Acknowledgement of recei	73			
gnature Cant		Date	Signature	_ j	:	D	ate
		DISPOSA	ALSITE				
ISCREPANCY INDICATION SP	ACE		DISPOSAL COORDINATE (Landfill use only)	ES Disk	!		
int/Type Name		I	ignature / Date	<u>ن</u> ق			
SITE AN	D ADDRESS		DISPO	OS/	INSTRUCTION	vs	
nereby certify that the above materia y knowledge the foregoing is true ar Fau Su	INGTON RD. PERMIT# S II has been accepted	SNL 79-106-0224	MIX V	Jet .	HAE Or All		
SIGNATURE OF AUTHORIZED AG	it the	Receipt Date		1000			

LMS TICKET NO. 16043

		GENEI	RATOR	T VI VI	ik S	
GENERATOR INSTRUCTIONS	SPECIAL WASTE— ASBESTOS WASTE—	COMPLETE SECTIONS: I., I COMPLETE SECTIONS: I th	I., V., VII., VIII., IX., XI ru XII (Section 1, if required	l to analyz	e for hazardous waste c	haracteristics)
SECTION I BFI WASTE CO	ODE <u>TNO2//</u>	010504 1	00,003188			
SECTION II GENERATOR NAME ALAUAU SUPPL	NT ACTILISTO	MID SOUTH			GENERATING LOC	ATION
MAILING ADDRESS 5922			0, TN 38054		PHONE NO. <u>87</u>	4-990-
SECTION III OPERATOR/O	CONTRACTOR	Dis jim 1. C	-7/1.7/00/		PHONE NO	
ADDRESS 2915 RIVER		CMP1413, TN 3	8/09		: "HONE NO. <u>549</u>	1-0947
SECTION IV OWNER	·	· · · · · · · · · · · · · · · · · · ·			,	
NAME NAVAL SYPPO	OSAL SITE				HONE NO. 814	
North Shelby Lar				8053	, ITTOICAL SITE LO	ATION
South Shelby Lar	E AGENCY (LOCAL.	STATE, EPA)	······································		PHONE NO. (901)	872-7200
Mphs. & Shelby Cty	<u> Health Dept. 8</u>	14 Jefferson Mei			(901)	576-7588
Tenn. Div. of Air Poll	·		1 38301-3984	<u> </u>	'HONE NO. (901)	423-6484
SECTION VII DESCRIPTION FURL OIL CONTRO SOIL + NEBRIS	AMINATED	CONTAINERS NO. TYPE	TOTAL QUANTIT) 2) 4)	TYPE 1-METAL DRUM N-PLASTIC DRUM -6MIL PLASTIC BAGS/WRAP TRUCK OTHER	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS
ASBESTOS WASTE RC	Q, Asbestos, 9, NA22					O-OTHER
SECTION VIII SPECIAL HAI	NON-REGULA		INFORMATION		w	
NONE		ONG AND ADDITIONAL	INFORMATION		:	
SECTION IX GENERATOR CERTI	FICATION		SECTION X OPERATOR O	COTICIO	JION (ASBESTOS)	
I hereby certify that the above nan by 40 CFR Part 25t or any applicable is and packaged, and is in proper conc regulations; AND, if the waste is a tre dous waste subject to the Land Dist waste has been treated in accordanci is no longer a hazardous waste as of	state law, has been proper dition for transportation a eatment residue of a previ posal Restrictions, I certi ce with the requirements.	ly described, classified ccording to applicable ously restricted hazar- fy and warrant that the	I hereby declare that the c scribed above by proper shipp and are in all respects in prope international and government	ontents of ping name roondition	this consignment are full and are classified packed, or transport by bighway ac	modelead and labeled
RANDY 41/450N Print/Type Name & Title	ENV. PROT. ST	F.C. OIAUC-ZOO	<u> </u>	!		
Printy type Name & Title	<u>/</u>	Snipment Date	Print/Type Name & Title	ţ.		Shipment Date
Signature			Operators Signature			
		TRANSPO	RTER			
SECTION XI TRANSPORTED NAME OF CO. R. L. / 1911/19	RI AN TRUEKINIK		SECTION XII TRANS	PORTE	F 2	
	SHTON TN 38		NAME OF CO		·	
DRIVER KON COL	roll		DRIVER) ! 	·	
Print/Type Name/Title FRUCK NO PHON	IENO. 831-38	88	Print/Type Name/	5 5		
Acknowledgement of receipt of			Acknowledgement of re	_ PHO∜ ceipt c∜		
ignature	ec	Date	Signature	<u>^</u>	: <u></u>	Date
		DISPOSAL	SITE			
DISCREPANCY INDICATION S	PACE		DISPOSAL COORDINA (Landfill use only)	ATES	:	
rint/Type Name		Sign	nature / Date	<u>3</u>		
	ND ADDRESS		DIS	SPOSAL	INSTRUCTIONS	
SOUTH SHELBY 5494 MAI NORTH SHELBY 7111 OLD MIL hereby certify that the above mater by knowledge the foregoing is true a	LINGTON RD. PERMIT# SN	1. 79-106-0224	MIXV			
SIGNATURE OF AUTHORIZED A	uilk	S-1-D Receipt Date	ATTO	比 灣		·

	$(p_{i,j})$ and		NERATOR		有 表	
GENERATOR Instructions	SPECIAL WASTE- ASBESTOS WAST	- COMPLETE SECTIONS E-COMPLETE SECTIONS	S: I., II., V., VII., VIII., S: I thru XII (Section 1,	IX., XI if required to ana	yze for hazardous waste c	naracteristics)
SECTION BFI WAST	ECODE TN 02	11010504	NO.003	188	्र य	
SECTION II GENERAT NAME NAUAC SI	TOR	112 11/1 500	-711		GENERATING LOCA	ATION
MAILING ADDRESS_5	GOLL INTEGER	TY DR MILL	11/-1011 -	50050	PHONE NO. 87	4-0902
SECTION III OPERATO	OR/CONTRACTOR		70,000,710	70054	PHONE NO	
NAME CORPS O	F ENGINEE	73				
ADDRESS 29/5 /	KIVER PORT	KAMP, MEM!	14/5, TN 3	3109	HONE NO. 544	1-0947
NAMENAVAC JU	PPORT ACTIV	179 MID 50	4114		* HONE NO. 874	5G011
SECTION V WASTED	ISPOSAL SITE				+	
South Shelby	Landfill 7111 Old	d Millington Rd	. Millington, 1	enn. 38053	:	AHON
SECTION VI RESPONS	Landfill 5494 Ma	lone Rd. Memr	phis, Tenn. 38	116	PHONE NO. (901)	872-7200
Mphs. & Shelby C	ty Health Dept.	L, STATE, EPA) 814 Jefferson I	Memphis, TN	38105	(001)	E70 7500
Tenn, Div. of Air F	Pollution 295 Su	mmer Jackson,	TN 38301-39	84	\$ i	576-7588 423-6484
SECTION VII DESCRIP	TION OF WASTE	CONTAINERS	TOTAL C	UANTITY	TYPE	UNITS
FUEL OIL CON		NO. TYP	E UI		M⊢METAL DRUM N⊶PLASTIC DRUM	P-POUND
SUIL Y DED	57LS	/ ア	-	Ē	A -6MIL PLASTIC BAGS/WRAP	Y-YARDS M³-CUBIC
			ĺ		÷ `RUCK	METER Y³-CUBIC
ASBESTOS WASTE					OTHER	YARDS O-OTHER
REGULATED	RQ, Asbestos, 9, NA NON-REGUI		•		3	
SECTION VIII SPECIAL			NAL INFORMATIO	N	<u> </u>	
			•			
SECTION IX GENERATOR C			SECTION X OP	FRATOR CERTIFIC	A 1011 (40050700)	
I hereby certify that the above by 40 CFR Part 261 or any applica			hereby declare	that the contents of	A:ION (ASBESTOS) of this consignment are fully	and accurately de
regulations: AND, if the waste is	condition for transportation	according to applicable	and are in all respec	ts in proper condition	and are classified packed, r	
waste has been treated in accor	dance with the requirement	rtify and warrant that the	international and g	overnment regulation	ns.	erong to applicable
is no longer a nazardous waste	as defined by 40 CFR Pari	261.				
RANDY WILSON Print/Type Name & Tille	EDU. 17/407. 51	Shipment Date	Print/Type Name &	Title	<u> </u>	Chinana Car
Signature hold	<u> </u>				1	Shipment Date
)			Operators Signatur	e		
SECTION XI, TRANSPOR	TEDI	TRANS	PORTER	9	<u> </u>	
NAME OF CO. /NMAN			NAME OF CO.	TRANSPORTS	R 2	
ADDRESS / Wy 5/	BRIGHTON, IN	0.21	ADDRESS			
DRIVER TYPE Name / Title	127 7	in pron	DRIVER	pe Name / Title	:	
	IONE NO. 83/3	888	TRUCK NO	PHC		
Acknowledgement of receipt	t of materials	0-1-N	Acknowledgem	ent of receipt of	materials.	
Signature	Cognin	Date	Signature			Date
		DISPOS	SALSITE			
DISCREPANCY INDICATIO	N SPACE		DISPOSAL CO	ORDINATES		
			(Landfill use onl	y)		
Print/Type Name	 		Signature (Date			
CITE	AND ADDRESS	·	Signature/Date	<u>2</u>		
	E AND ADDRESS MALONE RD. PERMIT# SNL	70-106-0125		DISPOSAL	INSTRUCTIONS	
TAN MORIH PHEFRA VIII OFD	MILLINGTON RD PERMIT#S	NI 79-106-0224		ී ස්		
I hereby certify that the above ma my knowledge the foregoing is tr	ue and accurate.	and to the best of			-1105	
AUTHORIZE	SIN FI			MIX WI	リンニ	
4., 8	- A	5100		AT TOE	and the state of the same	
SIGNATURE OF AUTHORIZE	DAGENT	Accept Date		-		
GENERATOR/OPERATOR ORIGINAL	- WHITE . DISTRICT O	IFFICE - GREEN . I AI	MOEILL VELLOW	TO A LICENSTOP	-	



LMS TICKET NO. 16055

Nº 060499

GENERATOR SPECIAL WAST	E COMPLETE OFFICE	ANGRATOR		
		10. I Will All Coeffice 7 if required to	analyze for hazardous waste characteristics	
SECTION I BFI WASTE CODE TNOT SECTION I GENERATOR	11010504	NO. 003188		<u>_</u>
NAMENAL SUPPORT ACTIO	V194 MIN 0	OUTH	GENERATING LOCATION	_
MAILING ADDRESS 5922 /NTEGE	ity PR, MICO	11/1/11 TAV 192 05	PHONE NO. <u>8/4-39</u>	7Z
VEVIOUS OPERATOR/CONTRACTOR		11019010, 110 7803	PHONE NO	
NAME (DRPS OF ENTENNER,	73			
ADDRESS 2915 RIVERPORT PD	MEMPHIS,	TN 38109	_ PHONE NO. 544-0947	
NAME NIAVAL SUPPORT ACTIO	1175 MIN 52	1000		_
SECTION V WASTE DISPOSAL AND		19/19	- PHONE NO. 874-5904	_
North Shelby Landfill 7111 O	ld Millington Ro	d. Millington, Tenn. 380	PHYSICAL SITE LOCATION	_
South Shelov Langfill 5494 M	alone Rd Mom	phis, Tenn, 38116		_
SECTION VI RESPONSIBLE AGENCY (LOC Mphs. & Shelby Cty Health Dept			PHONE NO. (901) 872-7200	<u>)</u>
Tenn. Div. of Air Pollution 295 St.	. 014 Jenerson	Memphis, TN 38105	_ (901) 576-7588	3
SECTION VII DESCRIPTION OF WASTE	Jackson Court		PHONE NO(901)_423-6484	4
FUEL OIL CONTOMINATED	CONTAINERS NO. TYP		TYPE UNITS	 S
SOILY DEBRIS	,	-	DM-PLASTIC DRUM P-POUN	D
77.67.72	/ /		BAGS/WRAP	C
			T TRUCK Y9-CUBIC	5
ASBESTOS WASTE RQ, Asbestos, 9, NA	2212 PG III		O-OTHER YARDS	S 7
REGULATED NON-REGII	LATED		2	_
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIO	NAL INFORMATION	- 	
NONE			1.	
SECTION IX GENERATOR CERTIFICATION Thereby certify that the above named material is not a haby 40 CFR Part 261 or any applicable state law has been asset.		SECTION X OPERATOR CERTIF	TATION (ASBESTOS)	
by 40 CFR Part 261 or any applicable state law, has been propand packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a proper condition and the state of a proper condition of transportation regulations; AND, if the waste is a treatment residue of a proper condition waste subject to the Land Disposal Restrictions, I ce waste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Part	raccording to applicable eviously restricted hazar- rtify and warrant that the s of 40 CFR Part 268 and 261.	and are in all respects in proper condi international and government regula	18 of this consignment are fully and accurately and and are classified packed, marked and label of tortransport by highway according to applical of second and label of the second are second as the second as the second are second as the second are second as the second are second as the second as the second as the second are second as the second are second as the second are second as the seco	de- ed, ble
RIAND WILLOW FINU. PROT.	Shipment Date	Print/Type Name & Trille	<u> </u>	
Signature Signature			Shipment Date	_
Charles the Authority of the Control	A **	Operators Signature	<u> </u>	_
SECTION XI TRANSPORTER I	TRANS	PORTER		
NAME OF CO. R. L. INMAN TRUCKI	vo-	SECTION XII TRANSPORT	E12	=
ADDRESS HWY 51 BRIGHTON, TN	38011	NAME OF CO		_
Print/Type Name/Title		DRIVER	将	-
TRUCK NO. 5 PHONE NO. 837-386	8	Print/Type Name/Title TRUCK NOPHC	2015	-
Acknowledgement of receipt of materials.		Acknowledgement of receipt of	NE NO	-
Signature	Date	:	4. 8.	
		Signature	Date	_
DISCREPANCY INDICATION SPACE	DISPOS	AL SITE		Ī
		DISPOSAL COORDINATES (Landfill use only)		J
Print/Type Name	<u>l</u>	ignature / Date	<u>1</u>	
SITE AND ADDRESS			10 10 10	•
NORTH SHELBY 5494 MALONE RD. PERMIT# SNL 78 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SN I hereby certify that the above material has been accepted an my knowledge the foregoing is true and accurate.		DISPOSA	NSTRUCTIONS	
AUTHORIZED AGENT PLEASE PRINTI	8-/-00 ecepi Date	MIX WIT AT TOE		
GENERATOR/OPERATOR ORIGINAL - WHITE · DISTRICT OFF	105	FILL - VELLOW . TO WOOD .		

GENERATOR SPECIAL WART	G	ENE	RATOR	1	
INSTRUCTIONS SPECIAL WAST ASBESTOS WAS	E- COMPLETE SECTION	VS: I., I	I., V., VII., VIII., IX., XI "XII (Section 1, if required to	ų .	
SECTION I BEI WASTE CODE TNO 2	110 1050	//	1 10 Po 2100	analigo for hazardous w	aste characteristics)
SECTION II GENERATOR	110 103 0	<u></u>	00.00 3/88		
NAME NAVAL SUPPORT ACTIVI	79 MID 500	714		GENERATING	LOCATION
MAILING ADDRESS 5/22/WTEGRIST	DR, MICHO	UTTO	V TN 38054	e.	874-5902
SECTION III OPERATOR/CONTRACTOR NAME CORPS OF FOUNKE,				— PHONE NO.	
ADDRESS 7915 PILLERA DE	23 1 5			<i>y</i> 	
ADDRESS 7915 PURRARY POSECTIONIV OWNER	D, MEMPHI	7	V 38109	ے HONE NO	74-0G(m
NAMENAVAL SUPPORT ACTIV	170 1111 50			-÷	
SECTION V WASTE DISPOSAL OUT				- PHONE NO. 8	74-5904
KI North Shelby Landfill 7111 OI	d Millington Ro	l. Mi	llington Tenn 380	PHYSICAL SITE	LOCATION
- Court Stielby Langfill 5494 M	IODO DA Man-	ohis	Tenn 38116	- , ÿ	
					01) 872-7200
meaith Dept.	814 lefferson	Mem	phis, TN 38105	(Q)	01) 576-7588
Torni. Div. of Air Pollution 295 Su	<u>mmer Jackson,</u>	TN	38301-3984		01) 376-7588
SECTION VII DESCRIPTION OF WASTE FURC OIL CONTAMINATION	CONTAINERS		TOTAL QUANTITY	TYPE	
50K + DEBZIS	NO. TYP	E	UNIT	D 1-METAL DRUM	
JULY PREDICIS	1	•		DM-PLASTIC DRU B: -6MIL PLASTIC	M Y-YARDS M³-CUBIC
		- 1		BAGS/WRAP	METER
ASBESTOS WASTE BO Asbestos & MA				OTHER	Y³-CUBIC YARDS
DEGUI A TOUR ASSOCIOS, 9, NA	2212, PG III		<u>-</u>	·	0-OTHER
SECTION VIII SPECIAL HANDLING INSTRUCT	ATED			14	
NONE	IONS AND ADDITIO	NALI	NFORMATION	<u> </u>	
				<i>!</i> .	
hereby certify that the above		SE	CTION X OPERATOR CERTIF	(ASBESTOS)	
and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a pre dous waste subject to the Land Disposal Restrictions, I cer waste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Part	according to applicable viously restricted hazar- tify and warrant that the sof 40 CFR Part 268 and 261.	inte	hereby declare that the contents ibed above by proper shipping nar are in all respects in proper condit rnational and government regulat		fully and accurately de- ed, marked and labeled, y according to applicable
Printing Willson EMV. PROT.	JPEC. OLAND	Zoor	v	<u>.</u>	
(a la l	Shipment Date	Pri	nt/Type Name & Title		Shipment Date
Signature		Opi	erators Signature	j	
	TRANS				
SECTION XI TRANSPORTER!					
NAME OF CO. R.L. INMAN TRUCKING ADDRESS HWY 61 BRIGHTON, FAL	6		CTION XII TRANSPORT	5 ₹ 2	
000			DRESS	*	
Print/Type Name/Title	ton	DR	IVERPrint/Type Name/Title	្ត ជ	
Acknowledgement of receipt of materials.	8	TRI	JCK NO PHOI	Ä NE NO	
m to the depropriate rials.	0) (>	Ack	nowledgement of receipt of	naterials.	
Signature				作 立	
			ature	i.	Date
DISCREPANCY INDICATION SPACE	DISPOSA	AL SI	TE		
- INDIGATION SPACE		DISI (Lan	POSAL COORDINATES dfill use only)		
Print/Type Name		gnature	10		
SITE AND ADDRESS		griature			
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL Thereby certify that the above material has been accepted and my knowledge the foregoing is true and accurate.			DISPOSA	INSTRUCTIONS	
AUTHORIZED AGENT (P) FASE PRINT			MIX WILL &		
A GENT (PLEASE PRINT)			AT TOE OF	المسافر	
SIGNATURE OF AUTHORIZED AGENT RO	o-/-00 eccipt Date				
GENERATOR/OPERATOR ORIGINAL – WHITE • DISTRICT OFFI	CE - GREEN . LANDS		_ · .		

LMS TICKET NO. 1602/

GENERATOR SPECIAL WAS		SENERATOR		
INSTRUCTIONS ASBESTOS WAS	E– COMPLETE SECTI STE–COMPLETE SECTI	ONS: I., II., V., VII., VIII., IX., XI		
SECTION I BFI WASTE CODE TNO SECTION II GENERATOR	21101050	ONS: I., II., V., VII., VIII., IX., XI ONS: I thru XII (Section 1, if requi	red to analyze for ha	zardous waste characteristics)
SECTION I GENERATOR				
NAME NAVAL SUPPORT ACTIVITY	MID SOUTH	<u>Y</u>	GENE	RATING LOCATION
MAILING ADDRESS 9722 / NTECKT	5 DR, MICH	W/00 ,TO 3805	PHON	ENO. 874-0902
NAME CORPS OF FAIGURE			PHONE	E NO
ADDRESS 2915 RIVERPORT K.	2 0 1			
SECTIONIV OWNER	in Emplis	IN 38109	PHONE	NO 544-0947
NAMENAUAL SUPPORT ACT	UITO MIN	767/1-11	45	NO.544-0947
SECTION V WASTE DISPOSAL SITE	1110	304174	HONE	NO. 874-5904
North Shelby Landfill 7111 OI South Shelby Landfill 5494 Me	d Millington R	d. Millington, Tenn	38050 PHYSIC	AL SITE LOCATION
South Shelby Landfill 5494 Ma	lone Rd. Mem	phis. Tenn. 38116	. á.	
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dont	L, STATE, EPA)	3.110.00110	PHONE	NO. (901) 872-7200
Mphs. & Shelby Cty Health Dept. Tenn. Div. of Air Pollution 205 Sw	814 Jefferson	Memphis, TN 38105	·	(901) 570 7500
SECTION VII DESCRIPTION OF WAR	nmer Jacksor	<u>. TN 38301-39</u> 84	- n	(901) 576-7588
FUEL DIL CONTAMINATED	CONTAINERS NO. TYPE	TOTAL QUANTITY	v =	NO. (901) 423-6484
JOIL + DEBRIS	110.	UNIT	DI I-METAL	DRUM
TAPAN	/ 7	-	DI I-PLAST	ASTIC
			BAGS/\ FRUCK	WRAP METER
ASBESTOS WASTE BO Asheri			OTHER	Y3-CUBIC
PECULATER NO. Aspestos, 9, NA2	212, PG III		<u></u>	YARDS O-OTHER
	ATED		, t	
SECTION VIII SPECIAL HANDLING INSTRUCT	ONS AND ADDITIO	NAL INFORMATION		
			À P	
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CE		 -
I hereby certify that the above named material is not a haza by 40 CFR Part 261 or any applicable state law, has been proper and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a previous waste subject to the Land Disposal Restrictions. Leath	y described, classified	I hereby declare that the cor	RTIFICATION (ASBE	ment are fully a l
waste has been to the Land Disposal Restrictions Least	odsty restricted hazar-	international and government re	onditi in 'or transport t	ified packed, marked and labeled, by highway according to applicable
a mazardous waste as defined by 40 CEP Port 2	40 CFH Part 268 and		3	
PrintType Name & Tyre)	FC OPPYCEOU	70	.1 	
Ken-Ushil	Shipment Date	Print/Type Name & Title		Chi
Signature		Operators Signature		Shipment Date
	TRANS	PORTER	1	
SECTION XI TRANSPORTER I				
NAME OF CO. R.L. INMAN TRUCKING ADDRESS HWY 51 BRIGHTON 1-11	16-	SECTION XII TRANSPO	DRT ER 2	
DRIVER M. 4C / C. L.	380//	ADDRESS		
Print/Type Name / Title	\\	DRIVER	— №	
TRUCK NO. ALEG PHONE NO. 837-38	38	Print/Type Name/Title	7	
Acknowledgement of receipt of materials.		TRUCK NO. P	HC VIE NO	
Signature Confliction	8-1-00	Acknowledgement of receip	ot cidnaterials.	
	Date	Signature	- g	Date
DISCOPERATION	DISPOSA	LSITE	- 5	Date
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATES		
		(Landfill use only)	S .)	
Print/Type Name			Ř	
CITE AND	Sig	nature/Date	- 1 00	
SITE AND ADDRESS		DISPOS	- <u>-</u>	
OUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-10 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 79-10 Ineleby certify that the above material has been seen as	6-0135	מאסום	S/ NSTRUCTION	vs ———
Thefeby certify that the above material has been accepted and to my knowledge the foregoing is true and accurate.	d-105-0224 of the best of		- 7	
tall Smill	3 2001 01	.	(-) (d	
AUTHORIZED AGENT (PLEASE PRINT)		MIX WITE	- P	
tay Suith a	122	AT TOE	الماليان الآ	
SIGNATURE OF AUTHORIZED AGENT Rece	pl Date		j.	
GENERATOR/OPERATOR ORIGINAL - WHITE . DISTRICT OFFICE	•		· 4	
- SIGHTIGH OFFICE	TUREEN . IAMOE			

GENERATOR			GENE	RATOR			- 1117 LIVIII L
INSTRUCTIONS				II., V., VII., VIII., IX., XI		6 8	<u>. 11 11 11 11 11 11 11 11 11 11 11 11 11</u>
SECTION! BEI WASTE		11010500	2/ A	II., V., VII., VIII., IX., XI ru XII (Section 1, if required	to analy	ze for hazardous waste c	haracteristics)
SECTION II GENERATO	OR OF OF			1.003188		<u>ii</u>	
NAME NAVAC 34P	77 115 766	M/1) 5	047	4		PHONE NO. 87	ATION W-5907
MAILING ADDRESS 59	CONTRACTOR	119 DR, MI	LLIA	670N, 7N38,0	54	PHONE NO.	70/02
SECTION III OPERATOR	ENGINER	R5					
ADDRESS 2915 R	WERPORT /	ROAD MEN	7/4	15 71 38/19		: :	
SECTION V OWNER NAME NAME NAME SECTION V WASTER	PAR DE ANG	- 11 11 1		4110000		HONE NO. 344	- 0947
QEOTION V WAS IN INC.					:	1 HONE NO. 874	-5904
MI North Shelby La	andfill 7111 OI	d Millington F	Rd. Mi	llington, Tenn. 38	050	PHYSICAL SITE LOC	
- COUNTONEIUV La	Maiii 5494 Ma	None De Man	nphis	Tenn 38116			_
Mphs. & Shelby Cty	LEAGENCY (LOCAL	L, STATE, EPA)		0.0110	<u> </u>	HONE NO. (901)	872-7200
Tenn. Div. of Air Po	llution 295 Su	mmor Jackson	<u>Men</u>	nphis, TN 38105	 —	(901)	576-7588
					K	HONE NO. (901)	
FUEL OIL CONT	MINNIED	CONTAINER NO. TY	rs Pe	TOTAL QUANTITY UNIT	7	TYPE -METAL DRUM	UNITS
JOILY DEBX	95	1 7			L CON	-PLASTIC DRIIM	P~POUND Y~YARDS
		. ,				6MIL PLASTIC BAGS/WRAP	Mº-CUBIC METER
ACDEOTO					og	TRUCK OTHER	Y³-CUBIC YARDS
ASBESTOS WASTE RO	2, Asbestos, 9, NA	2212, PG III	J				O-OTHER
SECTION VIII SPECIAL HA	NON-REGUL	ATED					
NON	l£	IONS AND ADDIT	ONALI	NFORMATION			
SECTION IX GENERATOR CERTI	FICATION				\$g		
I hereby certify that the above name by 40 CFR Part 261 or any applicable; and packaged, and is in proper condegulations; AND, if the waste is a tredus waste subject to the Land Diswaste has been treated in accordance is no longer a hazardous waste as continuous waste was	lition for transportation eatment residue of a prev posal Restrictions, I cert	according to applicable fously restricted hazar	d scr	CTION X OPERATOR CERT hereby declare that the conte ibed above by proper shipping are in all respects in proper con traditional and government regular.			nd accurately de- irked and labeled, ding to applicable
	GOV. PROT. =		6200	A) .			
Age of the state o		Shipment Date	_	nt/Type Name & Title	- -		Shipment Date
Signalure 2			Op	erators Signature	- {		
SECTION		TRANS	SPORT	TER .			
SECTION XI TRANSPORTER	AN TRUG	Car-	SE	CTION XII TRANSPOR	1. 首日 2	<u> </u>	
ADDRESS HUG 31 BA	216NTON, TI	N 38011	NA.	ME OF CO	-14-		
DRIVER	1,6	<u>-</u>	- 1	DRESS	- 🖁 —		
TRUCK NO. 5 PHONE	NO. 837-38	388	1	Print/Type Name/Title	-11-		
Acknowledgement of receipt of	aterials.		Ack	UCK NO PH	CNEN (Batel)	O	
Signature		Date	l	ature		eriais.	
						Date	
DISCREPANCY INDICATION SP	ACE	DISPOS					
			DIS (Lar	POSAL COORDINATES adfill use only)	100		
Print / Type Name					4		
SITE AND	ADDRESS		Signature	/Date	ii.		·
SOUTH SHELBY 5404 MALON	IC DO DEDMIT	106 0100		DISPOSA	AL INS	TRUCTIONS	
I hereby certify that the ab-	GION RD. PERMIT# SNL	79-106-0224			,		
my knowledge the foregoing is true and	accurate.	to the best of					
AUTHORIZED AGE	M/ +/			A AIV LAIP	∯ ⊃⊂L	• •	
- Tay Smith	4			MIX WITH I	7.		
SIGNATURE OF AUTHORIZED AGE		ceipt Date		AT TUE OF	سادر ال	Ca .	
GENERATOR/OPERATOR ORIGINAL - WHIT	F • DISTRICT DEEM	200000			à		

	21 1 1 1 1 1	19. Bec. 6	GENE	O OF ECIAL AN			
GENERATOR Instructions	SPECIAL WAS	TE- COMPLETES	ECTIONS: I	RATOR I., V., VII., VIII., IX., XI ru XII (Section 1, if require OO3/86			
SECTION I BFI WASTE	CODE TNOZ	151E-COMPLETE S	ECTIONS: I th	ru XII (Section 1, if requir	ed to ana	y.e for hazardous waste	ahawat
SECTION II GENERATO	R	11010501	NO.	003/88		3	cnaracteristics)
NAME NAVAL SUP	OZT ACTIVI	Ty MIDS	8474			GENERATING LO	CATION
		97,	MILLI	K-TDA) TN 32	رسم ہو	PHONE NO. 8	745902
NAME_GUICKS EX	FAMILIE	100				PHONE NO	
ADDRESS_4725 KIN	ERPORT RD	MEMPIL	(T.	3 -			
SECTION IV OWNER	7,0	7 11101117742	3, /N	38109		PHONE NO. 544	I-nain
NAME AUAL SAPPLES SECTION V WASTE DISP	ORT ACTIO,	TY MID	504TH				0/4/
North Shelby La	ndfill 7111 🔿	ld Millia			<u> </u>	PHONE NO. 874	5904
North Shelby La South Shelby La SECTION VI RESPONSIBLE Marks & Shelby La	ndfill 5494 M	alone Del M	Ra. Mil	lington, Tenn. 3	<u>805</u> :3	PHYSICAL SITE LO	CATION
SECTION VI DECORAGE		ALCOHOLING TO THE	emnnis	Tonn 2011a		PHONE NO. (901)	872 7000
Mphs. & Shelby Cty Tenn. Div. of Air Poll	Health Dept.	814 Jeffers	on Mem	ohis. TN 38105	—— ; <u> </u>		
SECTION VIII DECREE		mmer Jacks	on, TN 3	88301-3984		(901)	576-7588
YEL OIL CONTAIN	MAYER	CONTAIN	ERS	TOTAL QUANTITY		'HONE NO(901)	423-6484
SOIL Y DEBRIS	, , , , , c, s		TYPE	UNIT	Div	TYPE I-METAL DRUM	UNITS
		į	7		Br.	-PLASTIC DRUM	P-POUND Y-YARDS
	- 1				§	BAGS/WRAP RUCK	M³-CUBIC METER
ASBESTOS WASTE BO	Agha				9 0	OTHER	Y3-CUBIC
REGULATED	Asbestos, 9, NA2 NON-REGUL	212, PG III			-4.₺.		YARDS O-OTHER
SECTION VIII SPECIAL HAND	DLING INSTRUCT	IONS AND ADD	TIONAL		lig Lij		
		A A MAD A D DI	HONAL INF	ORMATION	— # –		
SECTION IX GENERATOR CERTIFIC	CATION				•		
I hereby certify that the above named by 40 CFR Part 261 or any applicable stand packaged, and is in proper condition regulations; AND, if the waste is a treat dous waste subject to the Land Dispos waste has been treated in accordance wis no longer a hazardous waste as defi	on for transportation a nent residue of a previ al Restrictions, I certif with the requirements of ned by 40 CFR Part 26	coording to applicate ously restricted haz to a warrant that the first that the f	ed scribe ple and are ar- interna ne nd	ION X OPERATOR CERT reby declare that the conte d above by proper shipping in all respects in proper con tional and government regu	nts of thi nam sland diticition plating;	N (ASBESTOS) s consignment are fully at are classified packed, ma transport by highway accord	nd accurately de- rked and labeled, ding to applicable
Printfype Namle & Time	ENU, PROT.	Shipment Date	94620	00	21		
Signature Will			Print/T	/pe Name & Title	— <u></u>	Si	hipment Date
San San San San				ors Signature	-#-		
SECTION XI TRANSPORTER			SPORTE	₹	١		
NAME OF CO. /S. A. /NA	AN TRUG	KING	SECT	ION XII TRANSPOR	Tif2		
ADDRESS HWY 51 BRI	FMTON, TI	038011	NAME	OF CO	- /-		
Print/Type Name Title	L_Com *	STON	ADDR	B	- <u>\$</u>		
TRUCK NO. PHONE NO. Acknowledgement of receipt of mate.	837-38	88	1	Print/Type Name/Title	id J		
- m.Tel. IV	rials.		Acknov	(NO PHC /ledgement of receipt o	DVIE NO		
Signature Colon	Lens	8/-00			of materi	als.	
			Signature			Date	
DISCREPANCY INDICATION SPACE		DISPOS	AL SITE			Juli	
THOM SPACE			DISPOS	AL COORDINATES			
Print/Type Name			(Landiil	use only)	Ž.		_ _
yr - rang			Signature/Date		<u> </u>		
SITE AND AD	DRESS				7 13		
SOUTH SHELBY 5494 MALONE RD. NORTH SHELBY 7111 OLD MILLINGTON thereby certify that the above material has be to knowledge the foregoing is true and accurate.	DU. PERIVITE SNL 70	-0135 -106-0224 the best of		DISPOSAL	VSTR	UCTIONS	
Fail W	11/2			, ;	I .	1000	
AUTHORIZED AGENT (PI	LEASE PRINT)			MIX WITH			
SIGNATURE OF AUTHORIZED AGENT ENERATOR/OPERATOR ORIGINAL - WHITE	TK 8- Receip	1		AT TOE OF	FSL(OPE	
. STORTINGHINAL - WHITE	DISTRICT OFFICE -	GREEN . I AND	Elli Veno.	. Å	,		

025924

√872-7200 N	JN-HAZAKDUUS	S SLECIAL AND ASP	t STUS WASTE MANII	ESI
		777.A.		
SPECIAL WASTE- STIONS S-3 94 ASBESTOS WASTE	e for hazardous waste characteristics)			
CTION I BFI WASTE CODE TN	12.420 k 42.900 M			
SECTION II GENERATOR			GENERATING LOCATION	<u> </u>
	rt_Activity,_Memp		l'HONE NO.	4.25
MAILING ADDRESS 5720 Integrity Dr.	, Millington, TN 3	8054	PHONE NO. (901) 874-59	<u>02</u>
SECTION III OPERATOR/CONTRACTOR				23.5
NAME Corp. Of Engineers ADDRESS 2915 Riverport Rd., Me	mnhie TN 38100		5/// F	
SECTION IV OWNER	111pms, 114 30 103		PHONE NO. (901): 785-66	<u>02</u>
· · · · · · · · · · · · · · · · · · ·	activity.		HONE NO.	20° 30°
SECTION V WASTE DISPOSAL SITE			PHYSICAL SITE LOCATION	200
North Shelby Landfill 7111 Old		 .	100	
South Shelby Landfill 5494 Ma		s. Tenn. 38116	PHONE NO.: (901) 872-720	<u> </u>
SECTION VI RESPONSIBLE AGENCY (LOCA		mphic TN 20105		
Mphs. & Shelby Cty Health Dept.		5 17 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(901):576-758	41:44"- ": I.
Tenn. Div. of Air Pollution 295 Su	·	and the second s	PHONE NO. 1901/9423-648	COLUMN
SECTION VII DESCRIPTION OF WASTE	CONTAINERS NO. TYPE	TOTAL QUANTITY	TYPE 14-METALIDRUM PSPOI 17-PLASTIGORUM YSYAR	
•			DM-PLASTIC ORUM AND Y-YAR	
Contaminated Soil	1 T	12 Yd3	LIBAGS/WHAP - /5 - PARVE	TERM!
	:		OTHER	DS.
ASBESTOS WASTE BO Asbestos 9 NA	10010 BC III	100	O OT	ER
ASBESTOS WASTE RQ, Asbestos, 9, NAFRIABLENON FRIABLE		RIABLE NON FA		
SECTION VIII SPECIAL HANDLING INSTRUC	and the second s	THE PARTY OF THE P		
KIANIS		danie in esta		
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CERTIF		
I hereby certify that the above named material is not an by 40 CFR Part 261 or any applicable state law, has been pro and packaged, and is in proper condition for transportation	operly described, classified on according to applicable	Lheiebyrdeciae ffiaf are content scribed above by mobel shipping a and are in elitespecials proper cond international and government regul		ACCIONAL DE LA CONTRACTOR DE LA CONTRACT
regulations; AND, if the waste is a treatment residue of a dous waste subject to the Land Disposal Restrictions, I c waste has been treated in accordance with the requireme is no longer a hazardous waste as defined by 40 CFR P.	ertify and warrant that the	International and government leggs		
Randy Wilson (Environmental Protect	tion Specialist)			
Print/Type Name & Title	Shipment Date	Print/Type Name & Title	A Committee	
Signature	To the second second	Operators Signature		
A WARRAN	TRANSP	ORTER	A Charles and Char	S.Loreston M.
SECTION XI TRANSPORTER (SECTION XITS TRANSPOR	#28	
NAME OF CO.		NAME/OF CO		
ADDRESS (10) W. (C.C.)	16.17.	ADDRESS		
Print/Type Name/Title		DRIVER Print/Type Name/Title.		
TRUCK NO PHONE NO		TRUCK NO	5、 数据数据证据部分人类,这一种通知的。4、 为进入或时间的人	Seattle Seattle
Acknowledgement of receipt of materials.	angataman /	Acknowledgement of receipt	materials:	
Signature 2	Date	Signature	A CONTRACTOR OF THE	
the option of the following as an incident the property of the	DISPOS	AL CITE		
DISCREPANCY INDICATION SPACE	DISFOS	DISPOSALCCORDINATES		
DISCREPANCY INDICATION SPACE		(Landfill use only)		
Print/Type Name		Signature/Date		
SITE AND ADDRESS		DÌSPO	ALINSTRUCTIONS PROTECTIONS	
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# S	SNL 79-106-0135	2131 03		
X NORTH SHELBY 7111 OLD MILLINGTON RD. PERMI				

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

AUTHORIZED AGENT (PLEASE PRINT)

Receipt Date

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TRANSPORTED - PINK

		G	ENER	ATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE- ASBESTOS WASTI	COMPLETE SECTIO E-COMPLETE SECTIO	NS: I., II. NS: I thru	, V., VII., VIII., IX., XI XII (Section 1, if required to	analyze	er hazardous waste cha	racteristics)
SECTIONI BFI WASTE		1018504	NO. 6	05186			
SECTION I GENERATO NAME NAUPL SU	OR PPORT ALTIVI	TO MID S	OUTH	,	G	HONE NO. 27	TION (1-1GAZ
MAILING ADDRESS 59	122 INTEGRIT	9 DR, MILL	ING	TON, TN 3805	2/ :	HONE NO.	2 3 70 =
SECTION III OPERATOR	R/CONTRACTOR	-					
ADDRESS 29/5 /			1/15	TN 78109	<u></u> .	HONE NO. 544-	19111
SECTION IV OWNER						HONE NO. 9 7 7	0/9/
NAME WAVAL SU		MY MID :	SOUT	74	د د ـــــــــــــــــــــــــــــــــــ	ONE NO. 874-	5904
SECTION V WASTE DIS North Shelby L		d Millington F	Rd. Mil	lington, Tenn. 380	9. 053 :	HYSICAL SITE LOCA	ATION
South Shelby L	andfill 5494 Ma	lone Rd. Men	nphis.	Tenn. 38116		: HONE NO. <u>(901)</u> (872-7200
SECTION VI RESPONSI Mphs. & Shelby C	BLE AGENCY (LOCA	L, STATE, EPA)	Mor	nhio TN 20105	#	(004)	
Tenn. Div. of Air P					4		576-7588
SECTION VII DESCRIPT	TION OF WASTE	CONTAINER		TOTAL QUANTITY		ONE NO. (901)	423-6484 UNITS
FUEL OIL CON			YPE	UNIT		METAL DRUM PLASTIC DRUM	P-POUND Y-YARDS
50/L + DE	BKIS	1 7			Dr	SMIL PLASTIC BAGS/WRAP	M³-CUBIC METER
					T Ç	RUCK	Y3-CUBIC YARDS
ASBESTOS WASTE	BO 4-1	2010 BOW				· · · · · · · · · · · · · · · · · · ·	O-OTHER
REGULATED	RQ, Asbestos, 9, NA NON-REGU	•			i 		
SECTION VIII SPECIAL I	HANDLING INSTRUC	TIONS AND ADDIT	TIONAL	INFORMATION	<u>1</u>	4	
NO	NE					<i>}</i>	
SECTION IX GENERATOR CE						GN (ASBESTOS)	
I hereby certify that the above by 40 CFR Part 261 or any applica	ible state law, has been pro	perly described classif	ied s	I hereby declare that the cont cribed above by proper shipping	name tr	fir are classified nacked in	narked and labeled
and packaged, and is in proper or regulations; AND, if the waste is dous waste subject to the Land	a treatment residue of a n	reviously restricted haz	ole al	nd are in all respects in proper co iternational and government re	inditior k	or transport by highway acc	ording to applicable
waste has been treated in accord is no longer a hazardous waste	dance with the requiremer	its of 40 CFR Part 268 a	ind				
RANDY WULSON	WENU. PROT.	SPEC.OU	446-7	200		: :	
Print Type Name & Title		Shipment Date		Print/Type Name & Title	i	1	Shipment Date
Signature			;	Operators Signature			
		TRA	NSPO	RTER		e constant	
NAME OF CO. A //	UMAN TRUC	KING		SECTION XII TRANSPO	ORTEH	The state of the s	
ADDRESS HULLY 51	BRIGHTON,	TN 38011		ADDRESS		1	
DRIVER	2000C		- '	ORIVER	e	· · · · · · · · · · · · · · · · · · ·	
	ONE NO. 837-3	888	- 1	TRUCK NO F		ş	
Acknowledgement of receip	y or materials.		'	Acknowledgement of rece	ipt of rei	āferials.	
Signature		Date	_ ;	Gignature		e I	Date
		DISP	OSAL	SITE	,		
DISCREPANCY INDICATIO	N SPACE	•		DISPOSAL COORDINAT Landfill use only)	ES	i v	
)	adironii 550 orny,		Ĵ.	
Print/Type Name			Signa	ature / Date	 }	t	
	E AND ADDRESS			DISP	OSAL*	STRUCTIONS	
SOUTH SHELBY 5494	MALONE RD. PERMIT# SN MILLINGTON RD. PERMIT#	L 79-106-0135			91	.' •	
I hereby certify that the above m my knowledge the foregoing is t	naterial has been accepte	d and to the best of			3		
Fay	Smith		_	RAIYIAN	rı.		
AUTHORIZ	ED AGENT (PLEASE PRINT			ATTOE	14 6	SLOPE	•
SIGNATURE OF AUTHORIZ	LMUSK ED AGENT	8-2-00 Receipt Date	-	in the trace	VE.	OLUTE:	
GENERATOR / OPERATOR ORIGINA	L - WHITE . DISTRIC	T OFFICE - GREEN .	LANDFI	LL - YELLOW • TRANSPO	RTER - 2	INK - GENERATOR F	II.F – GOLDENROD
					12.		

	GENER	ATOR			
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE	COMPLETE SECTIONS: 1., 11 COMPLETE SECTIONS: 1 thr	., V., VII., VIII., IX., XI u XII (Section 1, if required to a	naly e for	r hazardous waste char	racteristics)
SECTION I BEI WASTE CODE TN 02/1	1010504 NO.	003/86	i.		
SECTION II GENERATOR	الرسم رمان هر مه		\GE	NERATING LOCAT	ION
NAME NAVAC SUPPORT ACTIVITY MAILING ADDRESS SOLL INTECRITE		ONE NO. <u>87</u>	<u> 4.5902</u>		
SECTION III OPERATOR/CONTRACTOR	1 DK, MILLINGIO	7/N38034	H [°] L'	ONE NO	
NAME CORPS OF ENGINEER					
ADDRESS ZGIS RIVERPORT RESECTION IV OWNER	, MEMPHIS, TI	N 38/09	;≥H(ONE NO. 544	-0947
NAME NAVAC SUPPORT ACT	TIVITY MID 3	BUTH		ONE NO. 8742	5904
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old	d Millington Rd. M	illington, Tenn. 380	た。 1 <u>5</u> 3 ẫ	YSICAL SITE LOCA	TION
South Shelby Landfill 5494 Ma		. Tenn. 38116		ONE NO. (901) 8	372-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Mer	mphis, TN 38105		(901) 5	76-7588
Tenn. Div. of Air Pollution 295 Sur	mmer Jackson, TN	I 38301-3984	_ ∘ _ ∘⊣o	ONE NO. (901) 4	
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY		TYPE	UNITS
FUEL OIL CONTAMINATED	NO. TYPE	UNIT		METAL DRUM PLASTIC DRUM	P-POUND Y-YARDS
SOIL & DEBRIS	17		B-1-6	MIL PLASTIC AGS/WRAP	M³-CUBIC
			T-TR	UCK	METER Y°-CUBIC
			C∄⊃T	HER	YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA					<u></u>
REGULATED NON-REGU SECTION VIII SPECIAL HANDLING INSTRUC		INFORMATION	<u>.</u>		
	TIONS AND ADDITIONAL	INFORMATION	į		
SECTION IX GENERATOR CERTIFICATION			<u>ķ</u>		
I hereby certify that the above named material is not a haby 40 CFR Part 261 or any applicable state law, has been proyand packaged, and is in proper condition for transportatio regulations; AND, if the waste is a treatment residue of a pi dous waste subject to the Land Disposal Restrictions, I ce waste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Part AND	izardous waste as defined perly described, classified n according to applicable reviously restricted hazar- rtify and warrant that the tas of 40 CFR Part 268 and ct 261.	SECTION X OPERATOR CER' I hereby declare that the conte scribed above by proper shipping and are in all respects in proper co international and government reg	ents o stais name a d nditio Nort	s consignment are fully are classified packed in	arked and labeled
Print Type Name & itle	Shipment Date	Print/Type Name & Title	_	··	Shipment Date
Signature Jahlen		Operators Signature			
	TRANSPO				
SECTION XI TRANSPORTER I	indicate and the second	SECTION XII TRANSPO	DTUE 2		
	CKINO	NAME OF CO.	/RIUSP 2		
ADDRESS HUG 51 BRIGHTON, TI	N 38011	ADDRESS			
DRIVER TO TOME / Title Print/Type Name / Title	<u>''</u>	DRIVERPrint/Type Name/Title			
TRUCK NO. RI 146 PHONE NO. 837-	3888	**	PHONE N	10	
Acknowledgement of receipt of materials.	et.	Acknowledgement of recei	pto: mat	erials.	
Signature Wildell Compton	<u> </u>	Signature			Date
	DISPOSAL	SITE	-		
DISCREPANCY INDICATION SPACE	DIST USAL	DISPOSAL COORDINATE			
TO STATE OF THE ST		(Landfill use only))		
rint/Type Name	Sig	nature / Date			
SITE AND ADDRESS		DISPO	OSA N	STRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SN NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SN hereby certify that the above material has been accepted by knowledge the foregoing is true and accurate.	SNL 79-106-0224	0.41×1.4	/IT === 1	REFUSE	
AUTHORIZEO AGENT (PLEASE PRINT	·)				4
SIGNATURE OF AUTHORIZED AGENT	8-2-00 Receipt Date	ALIC	にない	SLOPE	

		GEI	NERATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE- ASBESTOS WAST	- COMPLETE SECTIONS	I., II., V., VII., VIII., IX., XI I thru XII (Section 1, if require	ed to anai		
SECTION! BFI WA	ASTE CODE TN 02/1	010504 NO	2. 003186	eu to analy	ge for nazardous waste ch	aracteristics)
SECTION II GENER	DATOR			 Ÿ	GENERATING LOCA	TION
NAME IV HIVAL 3	APPORT ACTIVITY	MID SOUTH	<u> </u>		PHONE NO. 22	4-5902
MAILING ADDRESS	5922/NTEGE	TO DR, MILL	NETON, IN 38.	054	PHONE NO	
NAME CORPS	ATOR/CONTRACTOR	RS		,	.	
ADDRESS Z915	RIVERPORT RD	MEMPHS,	N 38109		PHONE NO. 544	-0947
SECTION IV OWNE	SUPPORT ACT	INTY MID	504714		<u>.</u>	5904
SECTION V WASTE	EDISPOSAL SITE Dy Landfill 7111 Ole			20050	PHYSICAL SITE LOCA	
LJ South Shelb	y Landfill 5494 Ma	lone Rd Memni	nis, Tenn. 38116		PHONE NO(901) {	972 7200
SECTION VI RESPO	NSIBLE AGENCY (LOCA	L STATE EDAL				
Tenn. Div. of Ai	Cty Health Dept. r Pollution 295 Su	mmor Jackson N	TN 00001 0001	<u> </u>		576-7588
SECTION VII DESCR	RIPTION OF WASTE			<u>}</u>	HONE NO. (901) 4	423-6484
F4EL 014 CO 3014 4 DA	NTAM WATED	CONTAINERS NO. TYPE	TOTAL QUANTIT	[3] Di E.A 1 -	TYPE METAL DRUM PLASTIC DRUM 6MIL PLASTIC BAGS/WRAP RUCK	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS
ASBESTOS WASTE	RQ, Asbestos, 9, NA	2212, PG III			<u>.</u>	O-OTHER
REGULATED	∠ NON-REGUI	_ATED		• 31 ::	<u>.</u>	
	AL HANDLING INSTRUC	TIONS AND ADDITION	AL INFORMATION		<u> </u>	
SECTION IX GENERATOR	R CERTIFICATION			,	•	
and packaged, and is in propregulations; AND, if the wast dous waste subject to the Lawaste has been treated in action on longer a hazardous waste has been treated.	pove named material is not a haz plicable state law, has been prop per condition for transportation te is a treatment residue of a propand Disposal Restrictions, I celected coordance with the requirement aste as defined by 40 CFR Part	erly described, classified according to applicable evicusly restricted hazar- rtify and warrant that the is of 40 CFR Part 268 and 261.	I hereby declare that the c scribed above by proper ship and are in all respects in prope international and government	contents of	ION (ASBESTOS) this consignment are fully a find are classified packed, major transport by highway accors.	and accurately de- arked and labeled, rding to applicable
Print/Type Name & Title	SON, FABU. PROT	Shipment Date	Print/Type Name & Title		1	Shira D
Signature	/h					Shipment Date
			Operators Signature	d).		
SECTION XI TRANSP	ORTERI	TRANSF				
NAME OF CO. R.L.	INMAN TRUC	14/06	SECTION XII TRANS	PORTE	2	
ADDRESS HON 5/	BRIGHTON, T		ADDRESS			
DRIVER // / C	hell comp	2 ton	DRIVER	Title		
	PHONE NO. 837-3	8888	**************************************	_ PHONE	: NO	
Acknowledgement of rece	ipt of materials.	() 7 ()	Acknowledgement of re-	ceipt o	aterials.	
Signature	Cingles	9 - 2 · 60	Signature			
					Da	ite
DISCREPANCY INDICAT	TON CRACE	DISPOSA	LSITE			
- I O O ME I MINIO ME I ME I O ME	ION SPACE		DISPOSAL COORDINA (Landfill use only)	JES		
Print/Type Name			gnature/Date	 -		
SI	ITE AND ADDRESS		DIS	POSALIF	NSTRUCTIONS	
TAX MOKIH SHEFBA 1111 OI	94 MALONE RD. PERMIT# SNL 7 LD MILLINGTON RD. PERMIT# SI material has been accepted a strue and accurate.	Ni 70-106 0004	·	The state of the s		
AUTHOR	IZED AGENT (PLEASE PRINT)		MIX WI AT TO	II H 密	EFUS.	
SIGNATURE OF AUTHOR	Y Mith	8-2-00 Receipt Date	, () 1 () [- U19. 1	OLCH's	

		GEN	IERATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE- ASBESTOS WAST	COMPLETE SECTIONS: COMPLETE SECTIONS:	I., II., V., VII., VIII., IX., XI I thru XII (Section 1, if require	ed to analy	ZE iOr hazardous waste c	haracteristics)
SECTION BFI WAS	TE CODE 7/02/	1010504	NO. 003/86	-	- A TOTAL COLOR WESTER	naracteristics)
SECTION II GENERA	ATOR PPORT ALTIVITY	MIN TOUTH			GENERATING LOCA	ATION
MAILING ADDRESS	92Z INTEGRITA	DP MICCIAX	FON, TN 3805	4	PHONE NO. 87	4-5902
SECTION III OPERA	OR/CONTRACTOR		7447/10 38123	<u></u>	HONE NO	
NAME A CORPS	OF ENGINEE	Rs.				
SECTION IV OWNER	RIVERPORT RD	, MEMPHIS,	TN 38/09		FHONE NO. 544	1-0947
NAME MAUAL -	SUPPORT ACTIO	1179 MID 5	0444		FHONE NO. 874	- 5934
SECTION V WASTE North Shelby	DISPOSAL SITE Landfill 7111 Old	Millington Pd	Millington, Tenn.		PHYSICAL SITE LOC	
☐ South Shelby	Landfill 5494 Ma	one Rd. Memol	is Topp 20116		·	
SECTION VI RESPON	ISIBLE AGENCY (LOCAL	STATE COAL			HONE NO. (901)	872-7200
Mpris. & Shelby	Jty Health Dept.	<u>814</u> Jefferson M	lemphis, TN 38105		. (901)	576-7588
SECTION VII DESCRI	Pollution 295 Sur		TN 38301-3984	;	HONE NO. (901)	
FUEL OIL CO		CONTAINERS NO. TYPE	TOTAL QUANTIT		TYPE	UNITS
501K + DE	i	1 7		Dà	-METAL DRUM -PLASTIC DRUM	P-POUND Y-YARDS
, PR	3.0.5	, ,		1 8	6MIL PLASTIC BAGS/WRAP	M³-CUBIC METER
					RUCK	Y³-CUBIC YARDS
ASBESTOS WASTE	RQ, Asbestos, 9, NA2	212, PG III				O-OTHER
REGULATED	NON-REGUL	ATED		.; -9		
SECTION VIII SPECIAL		IONS AND ADDITION	AL INFORMATION			
	JONE					
	CERTIFICATION re named material is not a haze		SECTION X OPERATOR C	ERTIFICAT	ON (ASBESTOS)	
and packaged, and is in prope	condition for transportation	rly described, classified according to applicable	I hereby declare that the conscribed above by proper shipp	ontents of	his consignment are fully nd are classified packed, r	and accurately de- narked and labeled,
dous waste subject to the Lan waste has been treated in acco is no longer a hazardous was	o disposal nestrictions, I cert	ify and warrant that the	international and government	regulati ੵ	,	ording to applicable
RANDA LAILSON	N MOV. PROT. SPE	261. (A. () a				
Print Type Name & Title	N JAOU. (ICO) STE	Shipment Date	Print/Type Name & Title		1	Shipment Date
Signature 11/1/1	<u> </u>		Operators Signature	·.		
		TRANSP				
SECTION XI TRANSPO	RTERI	<u> </u>	SECTION XII TRANS	PORTE		
	MAN TRUCKIN	<i>[-</i>	NAME OF CO.	FUNIER		
DRIVER NED	DRIVATON, 1	<u>~</u>	ADDRESS			
Print/Type Name/Title TRUCK NO. 5 P	104540 877.36	00	DRIVER			
Acknowledgement of receip		00	TRUCK NO.	PHONE	NO	
Signature Lan C	mull		Acknowledgement of rec	eipt of 👘	aterials.	
Signature		Date	Signature			Date
		DISPOSA	LSITE			
DISCREPANCY INDICATION	N SPACE		DISPOSAL COORDINA (Landfill use only)	TES		
			(caroni use only)	# 3 14		
Print/Type Name		Si	gnature/Date	- <u>1)</u>		
	E AND ADDRESS		DISE	POSAL	ISTRUCTIONS	
SOUTH SHELBY 5494	MALONE RD. PERMIT# SNL 79 MILLINGTON RD. PERMIT# SN	1-106-0135		1	TOTALONS	
I hereby certify that the above m my knowledge the foregoing is t		d to the best of		*		
- Fac	Smith		MIXW			
AUTHOR/Z	ED AGENT (PLEASE PRINT)		AT TO			
SIGNATURE OF AUTHORIZ	melk EDAGENT	1-2-00) //		
GENERATOR/OPERATOR ORIGINAL	•	Receipt Date		1 2 8		
CHAIGH UNIGINA	WHITE • DISTRICT OF	FICE - GREEN . LANDI	FILL - YELLOW • TRANSPO	RTFR - F.	JK . RENEDATOR FIL	C 001 DE11505

			GENERATO	3			
GENERATOR Instructions	SPECIAL WAST	COMPLETE OFF		<u> </u>			
SECTION I BFI WASTE	CODE TN 02		NO. 005/	ction 1, if required to	analyze for hazard	ous waste cl	haracteristics)
SECTION II GENERATO	10			86			
NAME NAVAL SUF					GENERAT PHONE N	ING LOCA	ATION (Car)
MAILING ADDRESS 59		KITY DR, M	ILLINGTO	N, TN 380	PHONEN		7 3 70
SECTION III OPERATOR	B/CONTRACTOR	Pr			THONE	J	
ADDRESS 2915 K			1 mario	711 00 10 0	- ∯	_	
SECTION IV OWNER NAME NAVAL SU	DOORT DA	1 / /11/		N 38/09	PHONE NO	544	1-0947
SECTION V WASTE DIS	PPORT ACI	10/TG MID	504711		_ ∮°HONE NO	874.	-59041
North Shelby L	POSAL SITE andfill 7111 OI	d Millington F	Pd Million and		PHYSICAL		ATION
La count shelpy L	angtili 5494 M:	alone Rd Man	nabia T	on, Tenn. 380	<u>5</u> 0]	200,	AIION
					'HONE NO.	(901)	872-7200
THE PLAN OF CHAINS	<u>riealth Dept.</u>	814 Jefferson	Memphis.	TN 38105		(004)	
TOTHI. DIV. OF AIR PO	<u>Mution 295 Su</u>	mmer Jackso	n. TN 3830	1-3984	- (576-7588
PESCHIPTION AND DESCRIPTION	ONOFWARTE	CONTAINER		TAL QUANTITY	- 1FHONE NO.		<u>423-6484</u>
FUEL OIL CONTAM		NO. TY	PE	UNIT	DI I-METAL DI	RUM	UNITS P-POUND
5014 & PEBRI	5				DM-PLASTIC F/-6MIL PLAS	DRUM	Y-YARDS
		r			BAGS/WR	AP	Mº-CUBIC METER
					T= RUCK CHOTHER		Y³-CUBIC YARDS
ASBESTOS WASTE R	Q, Asbestos, 9, NA	2212, PG III					O-OTHER
REGULATED	NON-REGUL	ATED			1:		
SPECIAL HA	NDLING INSTRUCT	IONS AND ADDITI	ONAL INFORM	ATION			
NONE	·						
SECTION IX GENERATOR CERT I hereby certify that the above nar by 40 CFR Part 261 or any applicable	IFICATION		SECTION X	OPERATOR CERTIF			
and packaged, and is in proper con- regulations; AND, if the waste is a tr dous waste subject to the Land Dis waste has been treated in accordantis no longer a hazardous waste.	dition for transportation eatment residue of a pre posal Restrictions, I cer ce with the requirement	according to applicably viously restricted hazaltify and warrant that the sof 40 CFR Part 268 and	d scribed abov e and are in all	eclare that the content e by proper shipping na espects in proper condi and government regula	s of this consignment metand are classifie	nt are fully a	nd accurately de- trked and labeled, ding to applicable
Privil/Jupe Name & Title	ENU. PLOT, 51	PEC. 8-2-0	e		8		
Hall !!		Shipment Date	Print/Type Na	ame & Title	7		Shipment Date
Signature			Operators Sig	gnature	- #		
		TRAN	SPORTER	Section 1		Sistema	
SECTION XI TRANSPORTER	RI MAN TOTAL			XII TRANSPORT	¥	<u></u> .	
ADDRESS HUK, 5/ 3	MAN TRYC	KING	NAME OF	CO	KVR Z		
DRIVER DE CO		28011_	ADDRESS				
Print/Type Name/Title	077.	2000	DRIVER_	nt/Type Name/Title	·		
TRUCK NO. 5 PHONI	ENO. 9) 3/ 3	000) PHO	NE NO.		
	naetais.		Acknowled	gement of receipt o	materials.		
Signature		Date	Signature		# # ======		
Mark to the second					<u>\$</u>	Date	9
DISCREPANCY INDICATION SE	PACE	DISPOS	SALSITE				
The state of the s	ACE		DISPOSAL (Landfill use	COORDINATES only)			
Print/Type Name					er er		
			Signature/Date				
SITE AN	DADDRESS			DISPOSAL	INSTRUCTION		
SOUTH SHELBY 5494 MALO MORTH SHELBY 7111 OLD MILLII I hereby certify that the above material my knowledge the foregoing is true an	NOTON RU. PERMIT# SNL				S HOCHON	5	
- tay Sn	1. Ih			MIX WITS	REFUS	-	
AUTHORIZED AGE	NT (PLEASE PRINT)				OF SLOP		
SIGNATURE OF AUTHORIZED AGE	IK S	-2-00 eccipi Date		THE THE STATE OF T	d d		•
GENERATOR/OPERATOR ORIGINAL - WHI			DFILL – YELI NW	• TRAMEDODITED	1		

GENERATOR SPECIAL WAST	E- COMPLETE SECTION	ENERATOR IS: I., II., V., VII., VIII., IX.,	ΧI		
SECTION BFI WASTE CODE TN 02/	TO LOCALL AL	IS: I., II., V., VII., VIII., IX., IS: I thru XII (Section 1, if re	equired to ana	lyze for hazardous waste o	haracteristics)
SECTION IL GENERATOR					
NAME NAVAL SUPPORT ACTIVI	TY MID 584	TH		GENERATING LOC	ATION
MAILING ADDRESS J 922/NTECK	iry DR, MIL	LINGTON, TN3	8054	PHONE NO.	4-5900
SECTION III OPERATOR/CONTRACTOR NAME CORRECT OF ENGINEER				PHONE NO	
ADDRESS 2915 RIVERPORT R	20 Mr. 10011	1/ -1 04:		6	
SECTIONJY OWNER	V MEMPH	3, 7N, 38/00	Ź	PHONE NO. 544	1-0947
NAME NAVAL SYPPORT ACTI			·	PHONE NO. 874	5904
以 North Shelby Landfill 7111 O	ld Millington Ro	I. Millington Ten	n 20050	HYSICAL SITE LOC	
Landfill 5494 Ma	alone Rd. Memi	ohis Tenn 38116			
SECTION VI RESPONSIBLE AGENCY (LOCAMPHS. & Shelby Cty Health Dept.				PHONE NO. (901)	872-7200
Tenn. Div. of Air Pollution 295 Su	mmer lackson	TN 20004 2004	105		576-7588
SECTION VII DESCRIPTION OF WASTE	CONTAINERS			HONE NO. (901)	423-6484
FUEL OIL CONTAMINATED	NO. TYP			TYPE I I-METAL DRUM	UNITS
SOIL + DEBRIS	1 / 7	-	D)	M-PLASTIC DRUM	P-POUND Y-YARDS
	, ,		1 73	A-6MIL PLASTIC BAGS/WRAP TRUCK	Mº-CUBIC METER
			Q	THUCK OTHER	Y³-CUBIC YARDS
ASBESTOS WASTE RQ, Asbestos, 9, NA	2212, PG III				O-OTHER
REGULATED NON-REGU	LATED				_
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIO	NAL INFORMATION	<u></u>		
SECTION IX GENERATOR CERTIFICATION					
hereby cortify that the at-		SECTION X OPERATO	OR CERTIFICA	FION (ASBESTOS)	
by 40 CFR Part 251 or any applicable state law, has been prop and packaged, and is in proper condition for transportatior regulations, AND, if the waste is a treatment residue of a pro- dous waste subject to the Land Disposal Restrictions, I ce waste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Part	rerry described, classified according to applicable eviously restricted hazar- rtify and warrant that the		he contents if	this consignment are fully and are classified packed, m	and accurately de- arked and labeled, rding to applicable
RANDO WILSON ENV. PROT	201. , 5 PEA.		ý		
Print/Spe Warde & Mile	Shipment Date	Print/Type Name & Title			Shipment Date
Signature 1		Operators Signature			
	TRANS	PORTER			
SECTION XI TRANSPORTER!		SECTION XII TRA	NCDODE	4.7	
NAME OF CO. RIL. INMAN TRUCK ADDRESS AWGS I BRIGHTON T		NAME OF CO	NSPORIEN	2	
DRIVER WHELE OF	N 380/1	ADDRESS			
Print/Type Name/Title TRUCK NO. PL *6 PHONE NO. 837-39	200	DRIVER	ne/Title		
Acknowledgement of receipt of materials.	188	TRUCK NO	PHOÑE		
- Mitchell (and	8-2-00	Acknowledgement of	receipt o	aterials.	
Signature	Date	Signature			
	DISPOSA	AL CITE		Da	te
DISCREPANCY INDICATION SPACE	5.01.00	DISPOSAL COORDII (Landfill use only)	NATES	•	
Print/Type Name		ignature/Date	<u> </u>		
SITE AND ADDRESS					
NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 75 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SN I hereby certify that the above material has been accepted any knowledge the foregoing is true and accurate.		D	ISPOSAL IN	STRUCTIONS	
SIGNATURE OF ALTEROPIZED AGE, 5	S-2-00 Receipt Date	MIX WI AT TO	TH REI	FUSE LOPE	·
GENERATOR/OPERATOR ORIGINAL - WHITE . DISTRICT OFF	10g ai	FILL - YELLOW • TRANS	選 第 RPORTER L ME-NII	V OFNED ITAL	



LMS TICKET NO. 12/1

(901) 872-7200	NUN-HAZARDI	DUS SPECIAL AND	ASBESTOS WAST	E MANIFI
		NERATOR		
7.0520100	ASTE— COMPLETE SECTIONS WASTE—COMPLETE SECTIONS	S: I., II., V., VII., VIII., IX., XI S: I thru XII (Section 1, if required t	to analyze for hazardous waste	characteristics)
SECTION BFI WASTE CODE 1 NO		NO 001025	ž .	
SECTION II GENERATOR NAME ALA SUPPLIE		***	GENERATING LOC	ATION
	Actionia Dail	- CAUTH		745900
MAILING ADDRESS 57.2 3 TAY SECTION III OPERATOR/CONTRACTO		11 11 11 15 101 7N 31	PHONE NO	
NAME CORP OF EN	a INFERS			
ADDRESS 2913 RIUTA SECTIONIV OWNER	OPART RU	DIEWWHITT TAL 3810	PHONE NO. 5114	1044-7
NAME NEUML SUPPORT	Metiving Mino	0 U7 +1	PHONE NO. 274	1-5902
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111	Old Millington Rd	Millington Tone 00		
South Shelby Landfill 5494	Malono Pd Morro	List T	<u>3053</u>	
SECTION VI RESPONSIBLE AGENCY/L	OCAL STATE EDAY		PHONE NO(901)	872-7200
wiphs. & Shelby City Health De	pt. 814 Jefferson N	Memphis, TN 38105	_ (901)	576-7588
Tenn. Div. of Air Pollution 295	Summer Jackson,	TN 38301-3984	PHONE NO. (901)	
SECTION VII. DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	TYPE	UNITS
DIESFL	NO. TYPE	UNIT) DM-METAL DRUM DM-PLASTIC DRUM	P-POUND
CONTAN INATED	_		₿3A-6MIL PLASTIC	Y-YARDS M ² -CUBIC
SOIL	1 7	12 4	BAGS/WRAP T-TRUCK	METER Y3-CUBIC
SBESTOS WASTE BO Asheston 0		·	D-OTHER	YARDS O-OTHER
110, 75065105, 9,	NA2212, PG III		- 4	TO-OTHER
REGULATEDNON-RE	SUCTIONS AND ADDITION		_ <u></u>	
N1NF	IOCITIONS AND ADDITION	NAL INFORMATION		
CTION IX GENERATOR CERTIFICATION			. Å	
I hereby certify that the above named material is not 40 CFR Part 261 or any applicable state law, has been d packaged, and is in proper condition for transport guiations; AND, if the waste is a treatment residue o us waste subject to the Land Disposal Restrictions iste has been treated in accordance with the require no longer a hazardous waste as defined by 40 CFF	properly described, classified lation according to applicable f a previously restricted hazar, I certify and warrant that the ments of 40 CFR Part 268 and 8 Part 268.	I hereby declare that the cont	IT FICATION (ASBESTOS) ents of this consignment are full graine and are classified packed, sqf on for transport by highway according to the square of the sq	y and accurately de marked and labeled cording to applicable
nuType Name & Title	Shipment Date	Print/Type Name & Title		
the test of the second	omprient bate	rinu type Name & Title	, P	Shipment Date
nature		Operators Signature	4. 4. 34.	
OTTO LIVE	TRANS	PORTER		
CTION XI TRANSPORTER I	JET AC	SECTION XII TRANSPO	RIER 2	
DRESS OCH TO STIFE CHAP PA	and district in	NAME OF CO.	\$	
VER_CHANLES CFASEA	ρ	ADDRESS DRIVER	7.3	
	73-2521	Print/Type Name/Title	ä ·	
nowledgement of receipt of materials.			当ONE NO	
1 0-0	**Je 11- 2: /J	Acknowledgement of recei:	ot of materials.	
ature / / du / / www.	Date	Signature	<u>र्षे</u>	Date
No. of the second second	DISPOSA	ALSITE		
CREPANCY INDICATION SPACE		DISPOSAL COORDINATE		
		(Landfill use only)	9 g	
Type Name	S	ignature/Date	1	
SITE AND ADDRESS		C1000	SAL MOTO	
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# SOUTH SHELBY 7111 OLD MILLINGTON RD. PERMIT BY CERTIFY THAT IT AND SHELD PERMIT BY CERTIFY THAT IT AND SHE PERMIT BY CERTIFY THAT TH	T# CNI 70 106 0004	DISPO	FAL INSTRUCTIONS	
Try of contract and accurate.		8 81V 1 6117 1	RI FUSE	
AUTHORIZED AGENT (PLEASE PRI	NT)	100 ·	ALOPE	
Carlon Commence	711.10		المان	
SIGNATURE OF AUTHORIZED AGENT	Receipt Date	- 4		



NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

OF U.S. A. S. S.			ERATOR	74 g	The state of the s	
GENERATOR INSTRUCTIONS	SPECIAL WASTE ASBESTOS WAS	— COMPLETE SECTIONS: TE—COMPLETE SECTIONS:	I., II., V., VII., VIII., IX.,) I thru XII (Section 1, if red	(1 quired to ana	Vz. For hazardous waste c	haracteristics)
SECTION I BFI WASTE	CODE INC 11	16:315	NO- 1016	, 35	7 13 Walter	
					GENERATING LOCA	ATION
NAME ALA VAL S	UPPORTACII	617, non-	wid .		RHONE NOE	711590
MAILING ADDRESS	722 -11116	GRITY DRIVE	· illian Ton Til	1 3800	ELEHONE NO.	
NAME (PP						
ADDRESS 29/5 SECTION IV OWNER	PULLAGI	DA. Dien 211:	, 7. 2-			
SECTION IV OWNER		** () * (1) { M 2)4 , ?	· 141. 3810	39	E-HONE NO. 540	0947
NAME (MA) A L COM	PRANT ACTION	Try 11:10 50 5	H milling Tan	TNERGE	E JONE NO 27/	1 (
North Shelby L	andfill 7111 O	d Millington Rd.	Millington, Ten	n. 38053		ATION
L I South Shelby I	andfill 5494 M	alone Rd. Mempi	nis. Tenn. 38116		#HONE NO. (901)	979 7000
SECTION VI RESPONS	IBLE AGENCY /I OC.	AL STATE EDAL			10 NE NO. 1301)	012-1200
Mphs. & Shelby C	ty Health Dept	. 814 Jefferson M	emphis, TN 381	05	(901)	576-7588
Tenn. Div. of Air P	ollution 295 Su		<u>FN 38301-3984</u>		PHONE NO. (901)	423-6484
SECTION VII DESCRIPT		CONTAINERS NO. TYPE	TOTAL QUAN		TYPE	UNITS
Die SE		NO. TYPE	UNIT	1	DM-METAL DRUM DW-PLASTIC DRUM	P-POUND
CONTAMIN				Ē	3 1-6MIL PLASTIC	Y-YARDS M³-CUBIC
Soil		<u> </u>	-	1	BAGS/WRAP - ⊤RUCK	METE Y³-CUBIC
	•				THER	YARDS
SBESTOS WASTE	RQ, Asbestos, 9, NA	12212. PG III	_		<u>&'</u>	O-OTHER
REGULATED	NON-REGU	LATED			¥	
ECTION VIII SPECIAL F	ANDLING INSTRUC	TIONS AND ADDITION	AL INFORMATION		<u> </u>	
NINE.					#	
ECTION IX GENERATOR CE	RTIFICATION		SECTION X OPERATI		ATION (ASBESTOS)	
I hereby certify that the above in y40 CFR Part 261 or any applicated and is in proper congulations; AND, if the waste is ground waste subject to the Land if asset has been treated in according longer a hazardous waste in proper control of the congression of t	ondition for transportation a treatment residue of a possible poss	perly described, classified in according to applicable reviously restricted hazar- ertify and warrant that the	I hereby declare that t	he contents of	his consignment are fully and are classified packed, r	and accurately on arked and labele ording to applicate
INTYPE Name & Title				·:) K.	
Family 111		Shipment Date	Print/Type Name & Title		,	Shipment Date
gnature			Operators Signature		State Andrew Service	
		TRANSP	ORTER	Ų		
CTION XI TRANSPORT			SECTION XII TRA	NSPORT	1.2	·
	F F AIG	00	NAME OF CO		1	
	1 HETRG	P) 1 1116	ADDRESS	<u> </u>		
Print/Type Name/Title	7.38.44	· ·	DRIVER	no/Title		
		2-2521	TRUCK NO	PHCN	= NO	
knowledgement of receipt	of materials.	į	Acknowledgement o			
nature /		11-05				
1	<u> </u>	Date	Signature			Date
		DISPOSA	LSITE		The state of the s	
SCREPANCY INDICATION	SPACE		DISPOSAL COORD (Landfill use only)	INATES		
/Type Name		Si	gnature/Date			
SITE	AND ADDRESS			<u> </u>		
SOUTH SHELBY 5494 M NORTH SHELBY 7111 OLD M by certify that the above mate on the short of the s	ALONE RD. PERMIT# SNL ILLINGTON RD: PERMIT# 9	SNI 70-106 0224	I	DISPOSAÎ.	INSTRUCTIONS	
<u> </u>			la re-			
AUTHORIZED	AGENT (PLEASE PRINT)		MI)	X WIT	REFUSE	
C. Z. Z.		711-11	AT	TOE	F SLOPE	
SIGNATURE OF AUTHORIZED	AGENT	Receipt Date			- CLO; L	



LMS TICKET NO. 129/1/

GENERATOR	GENERATOR	TOTE MANIFE
		
SECTION! BELWASTE CODE THE	(Section 1, if required to ana	y e for hazardous waste characteristics)
SECTION II GENERATOR	WU- CA / (2 \ \	%
NAMENTAURL SUPPLET NOT	nain	GENERATING LOCATION
		PHONE NO 5 7// com
STEATOR/CONTRACTOR	DILLINGTON TN =9051	PHONE NO
ADDRESS SIGNS AS		
ADDRESS 3915 RIVEN PORT SIN MEN	12415 TN 3816	· · · · · · · · · · · · · · · · · · ·
NAME NO JAL SUPPORT ACTION		PHONE NO. \$544-094
SECTION V. WARTE	127. D. SOUTH	PHONE NO 70 (40)
☐ South Shelby Landfill 5494 Malona Rd	n Rd. Millington, Tenn. 38053	PHYSICAL SITE LOCATION
SECTION VI DESPONSITION OF THE HOLD IN THE	demphis. Tenn 38116	?
Wiphs. & Shelby Ctv Health Dept of A Legen)	'HONE NO. (901) 872-7200
	son Memphis, TN 38105	(901) 576-7588
		HONE NO. (901) 423-6484
DIE OF L	TYPE TOTAL QUANTITY	TYPE
CANTAMINA TEN	1 1 127	P-POUND
Soil	T 12 4 15	-6MIL PLASTIC
	1 11	TRUCK METER
ASBESTOS WASTE RO, Asbestos, 9, NA2212, PG III		YARDS
		O-OTHER
SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADD	DITIONAL INFORMATION	·
	J. CHMATION	
SECTION IX GENERATOR CERTIFICATION		
by 40 CED Part of that the above named material is not a bar	SECTION X OPERATOR CERTIFICATI	ON (ASBESTOS)
regulations at the proper condition for transportation described, class	silled scribed character that the contents of the	nis consignment
and packaged, and is in proper condition for transportation according to applie regulations; AND, if the waste is a treatment residue of a previously restricted he dous waste subject to the Land Disposal Restrictions, I certify and warrant that waste has been treated in accordance with the requirements of 40 CPB persons.	and are in all respects in proper condition:	nis consignment are fully and accurately de- d are classified packed, marked and labeled, r transport by highway according to applicable
waste has been treated in accordance with the requirements of 40 CFR Part 268 is no longer a hazardous waste as defined by 40 CFR Part 268	and	a uppricable
Print/Type Name & Title Shipment Date		
	Print/Type Name & Title	
Signature	Operators Signature	Shipment Date
TRA	.5	
THANSPURTER!		
NAME OF CO. CARP OF EAGINGERS	SECTION XII TRANSPORTER 2 NAME OF CO.	Assistance of the second
DRIVER (MARLES CENTER)	ADDRESS	
TO LOCAL Type Name / Title	DRIVER	
Acknowledgement of receipt of materials	Print/Type Name/Title TRUCK NO PHONE NO	
	Acknowledgement of reasons	J
Signature 7- //- (6)	×	mais,
	Signature	Date
DISCREPANCY INDICATION SPACE	DSAL SITE	The second secon
· · · · · · · · · · · · · · · · · · ·	DISPOSAL COORDINATES (Landfill use only)	The state of the s
Print/Type Name	(Caridini use only)	
- Application	Signature/Date	
SITE AND ADDRESS		
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135	DISPOSAL INST	RUCTIONS
hereby corticals and a second of the control of the	\(\frac{\lambda}{\rho}\)	
my knowledge the foregoing is true and accurate.	MIX WITH #E	EHCE
AUTHORIZED AGENT (PLEASE PRINT)	AT TOE OF S	-, -
	The Carolina State of	CASE C
SIGNATURE OF AUTHORIZED AGENT Receipt Date		

		ENERATOR	
GENERATOR INSTRUCTIONS	SPECIAL WASTE— COMPLETE SECTION ASBESTOS WASTE—COMPLETE SECTION	VS: I., II., V., VII., VIII., IX., XI VS: I thru XII (Section 1, if required	to analyze for hazardous waste characteristics)
SECTIONI BFI WAST	ECODE 71/01/02/0	NO 001635	
SECTION II GENERAT	OR		GENERATING LOCATION
MAILING ADDDESS	PPORT ACTIVITY 11	10: 500714	T DUOLINA G TO
SECTION III OPERATO	TOO I ATTEGRATE, DE, DE	11 mai 101 101 25	PHONE NO
NAME CCR	OF ENG.		4
ADDRESS 0915	RIUE APORT NI)	11/1 TN 38109	
SECTION IV OWNER			PHONE NO. 544 0947
NAME ALAUAL C	GPPORT Activity Did.	CANIH	PHONE NO. 5 511 590 A
SECTION V WASTE DI	sposalsite Landfill 7111 Old Millington Ro	d Millington To 0	PHYSICAL SITE LOCATION
☐ South Shelby I	andfill 5494 Malone Rd. Mem	a. <u>ivinington, Tenn. 3</u>	¥
SECTION VI RESPONS	IBLE AGENCY (LOCAL STATE EDA)		PHONE NO. (901) 872-7200
Tenn Div of Air 5	ty Health Dept. 814 Jefferson	Memphis, TN 38105	
SECTIONAL DESCRIPTION	Pollution 295 Summer Jackson	<u>. TN 38301-3984</u>	PHONE NO. (901) 423-6484
SECTION VII DESCRIPT	FION OF WASTE CONTAINERS	_ TOTAL GUANTITY	UNIIS
CONTAINIA	'''	JE UNIT	DM-METAL DRUM P-POUND DM-PLASTIC DRUM Y-YARDS
Soil	1 1	_	BA-6MIL PLASTIC M3-CUBIC
3072	1 · · /	12 4/05	T-TRUCK O-OTHER METER Y3-CUBIC YARDS
ASBESTOS WASTE	RQ, Asbestos, 9, NA2212, PG III		O-OTHER
REGULATED	NON-REGULATED	,	-
SECTION VIII SPECIAL I	HANDLING INSTRUCTIONS AND ADDITION	ONAL INFORMATION	<u>₩</u>
- NONE		4.9	Ĭ.
and packaged, and is in proper or regulations; AND, if the waste is dous waste subject to the Land waste has been treated in accord is no longer a hazardous waste		I hereby declare that the cor scribed above by proper shipping and are in all respects in proper of international and government.	RTIFICATION (ASBESTOS) Indits of this consignment are fully and accurately de- ingine and are classified packed, marked and labeled, ode tion for transport by highway according to applicable activations.
PRINTING NAME & THE	1. 120. 57. 7-11-03 Shipment Date		_ g _ (c.
Transfer de la	Shipment Date	Print/Type Name & Title	Shipment Date
Signature		Operators Signature	*************************************
	TRANS	SPORTER	
SECTION XI TRANSPORT	[ER]	SECTION XII TRANSP	GETER 2
NAME OF CO. C. C. S.	3 30 7 10 1 7 1/2 7 11	NAME OF CO	
DRIVER / U = 10 17 17 17 Print/Type Name/Title	WHE = RW	ADDRESS	
Print/Type Name/Title TRUCK NO PHO	ONE NO 573-2521	DRIVER Print/Type Name/Tit	e1.
Acknowledgement of receipt			rif ONE NO
	11 () () () () () () () ()	Acknowledgement of rece	p of materials.
Signature	Date	Signature	Date
	DISPO	SALSITE	
DISCREPANCY INDICATION		DISPOSAL COORDINAT	The state of the s
		(Landfill use only)	
Print/Type Name		Signature/Date	<u> </u>
SITE	AND ADDRESS		
□ SOUTH SHELBY 5494 N ☑ North Shelby 7111 Old N	IALONE RD. PERMIT# SNL 79-106-0135 Illlington Rd. Permit# SNL 79-106-0224		OSAL INSTRUCTIONS
AUTHORIZED SIGNATURE OF AUTHORIZED	AGENT (PLEASE PRINT) AGENT Receipt Date	MIX W AT TO	



LMS TICKET NO. 12-37

060067

	GENE	ERATOR	
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WAST	- COMPLETE SECTIONS: 1. E-COMPLETE SECTIONS: 11	, II., V., VII., VIII., IX., XI thru XII (Section 1, if required to ana	llyz for hazardous waste characteristics)
SECTION BFI WASTE CODE 2 At 211	010 11/2 - 11.		
SECTION II GENERATOR	0110 111		GENERATING LOCATION PHONE NO. 1974 - 1972
MAILING ADDRESS 5 // 2 July 7		The first of the Carlot	1
SECTION III OPERATOR/CONTRACTOR			PHONE NO.
NAME COLL CO COLL			We
ADDRESS 27/3 Annual F	1, 3, 4, 1, 1, 1	1, 1, 1, 7 7	FHONE NO. SAME TO A TO A
NAME MAURIL Sugar + Art.	v. 44 m. n - 1		HONE NO /4 - / - }
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 OI	d Millington Rd. I	Millington, Tenn. 3805	PHYSICAL SITE LOCATION
South Shelby Landfill 5494 Ma	alone Rd. Memph		HONE NO. (901) 872-7200
SECTION VI RESPONSIBLE AGENCY (LOCAMPHS. & Shelby Cty Health Dept	al, state, epa) . 814 Jefferson M	emphis, TN 38105	(901) 576-7588
Tenn. Div. of Air Pollution 295 Su	ımmer Jackson, T	N 38301-3984	HONE NO. (901) 423-6484
SECTION VII DESCRIPTION OF WASTE CON FRANCISCO L Social	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	TYPE UNITS M-METAL DRUM M-PLASTIC DRUM B'-6MIL PLASTIC BAGS/WRAP F TRUCK J OTHER UNITS P-POUND Y-YARDS M*-CUBIC METER Y-CUBIC Y-CUBIC Y-CUBIC Y-CUBIC OTHER
ASBESTOS WASTE RQ, Asbestos, 9, N. REGULATED NON-REGU			
SECTION VIII SPECIAL HANDLING INSTRUC		AL INFORMATION	
NINE			÷
I hereby certify that the above named material is not a high 40 CFR Part 261 or any applicable state law, has been proper condition for transportation and packaged, and is in proper condition for transportations; AND, if the waste is a treatment residue of a dous waste subject to the Land Disposal Restrictions, I class that been treated in accordance with the requireme is no longer a hazardous waste as defined by 40 CFR Particular transportations.	operly described, classified on according to applicable previously restricted hazar-certify and warrant that the test of 40 CEP Part 289 and	scribed above by proper shipping na	Let this consignment are fully and accurately demonated and are classified packed, marked and labeled, item for transport by highway according to applicable tions.
1 de la			·
Signature		Operators Signature	
PEOTION VI. TOUR DOCUMENT	TRANSF		
BECTION XI TRANSPORTER I NAME OF CO <u>CTOR P カデ E (N.G.</u>	METOL	NAME OF CO.	Į ER 2 (
ADDRESS 915 WILLIPPORT KI	STATPHIC TIKE	ADDRESS	1
Print/Type Name/Title	· · · · · · · · · · · · · · · · · · ·	DRIVER	S
RUCK NO. 12 PHONE NO. 57	<u> १-२५२ ।</u>	TRUCK NO PI-I	NE NO
Acknowledgement of receipt of materials.	7-11-00	Acknowledgement of receir t	of materials.
ignature '	Date	Signature :	Date
	DISPOS	ALSITE	
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATES (Landfill use only)	er ja et et en
rint/Type Name		Signature / Date	
SITE AND ADDRESS SOUTH SHELBY 5494 MALONE RD. PERMIT# SI RORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT	# SNL 79-106-0224	DISPOS	AL INSTRUCTIONS
hereby certify that the above material has been accepted by knowledge the joregoing is true and accurate.	ea and to the best of	MIXW	
AUTHORIZED AGENT (PLEASE PRIN SIGNATURE OF AUTHORIZED AGENT	Receipt Date	AT TOE	On A

		GENI	ERATOR				
GENERATOR SP INSTRUCTIONS AS	ECIAL WASTE- BESTOS WASTE-	COMPLETE SECTIONS: 1 COMPLETE SECTIONS: 1	, II., V., VII., VIII. thru XII (Section 1	, IX., XI I, if required to a	ıalyzc	pr hazardous waste ch	aracteristics)
SECTION BFI WASTE CODE	TNI 2110	18:315- NO	0016	35		V	
SECTION II GENERATOR	ORT AC	T: v: 74 - p	110- S	OUTH		GENERATING LOCA HONE NO. 27	TION 4 5902
MAILING ADDRESS 5 70 0	INTEGRIT	in PR. min	1.14.7.14.17	M 280	54	FIONE NO.	7 1 7 0
SECTION III OPERATOR/CONT	RACTOR	<u></u>	,			7	
ADDRESS2915 PIUFA			lic TN	38109		HONE NO. 54/5	10947
NAME NAME SUPPO		מונה מונה	- 5007/	-1		HONE NO. <u>574</u>	
SECTION V WASTE DISPOSAL Provided North Shelby Landfil		Millington Rd.	Millington,	Tenn. 380	53	YSICAL SITE LOC	ATION
South Shelby Landfil			is, Tenn. 3	8116		1 IONE NO. (901)	872-7200
Mphs. & Shelby Cty Hea	alth Dept. 8	, SIAIE, EPA) 114 Jefferson M	emphis, TN	N 38105	į	(901)	576-7588
Tenn. Div. of Air Pollutio	on 295 Sum	mer Jackson, ⁻	ΓN 38301-3	984	_ ;	HONE NO. (901)	
SECTION VII DESCRIPTION OF		CONTAINERS		QUANTITY	T :	TYPE	UNITS
DIESEL		NO. TYPE		UNIT		A-METAL DRUM A-PLASTIC DRUM	P-POUND Y-YARDS
•		,				- 6MIL PLASTIC	M³-CUBIO 🛊
SOIL		1 /	12	\vee		" BAGS/WRAP "RUCK	METER? Y³-CUBIC
				,	C	OTHER	YARDS O-OTHER
**************************************	bestos, 9, NA2				نية ــــــــــــــــــــــــــــــــــــ	·· 	1
REGULATED SECTION VIII SPECIAL HANDLII	NON-REGULA		AL INCODMAT	101	}	·	
NONE	NG INSTRUCTI	ONS AND ADDITION	ALINFORMAI	ION	í	•	
SECTION IX GENERATOR CERTIFICAT							
I hereby certify that the above named mid by 40 CFR Part 261 or any applicable state is and packaged, and is in proper condition regulations; AND, if the waste is a treatme dous waste subject to the Land Disposal waste has been treated in accordance with is no longer a hazardous waste as define	aterial is not a haza aw, has been prope for transportation a nt residue of a prev Restrictions, I cert h the requirements to by 40 CFR Part 2	rly described, classified according to applicable viously restricted hazarity and warrant that the of 40 CFR Part 268 and 261.	I hereby decl scribed above b and are in all res	are that the conte	nts of name, dition	iton (ASBESTOS) this consignment are fully and are classified packed, or transport by highway acc s.	marked and labeled
Print/Type Name & Title	= WIV.	Shipment Date	Print/Type Nam	e & Title .			Shipment Date
Signalure Signalure			Operators Sign	ature	1	1 . Tol 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		TRANS	PORTER	ed yet	Ĺ	TO SET SET OF THE WAY A	
SECTION XI TRANSPORTER I				II TRANSPO	RIF	B 2 ***	
NAME OF CO. CORP.	F ENC	<u> </u>	NAME OF C				
ADDRESS 2915 PIJIP	100 PDV		ADDRESS_		_ :-		
Print/Type Name/Title	* -		DRIVER	t/Type Name/Title	 		
TRUCK NO PHONE NO	<u> 573</u>	<u> </u>	TRUCK NO	P	HONI	E NO	
Acknowledgement of receipt of mate	rials.		Acknowledg	ement of receip	ot oj n	materials.	
Signature 110	of Line	Date	Signature .		<u> </u>	, ,	Date
		DISPOS	ALSITE			entral entral entrales.	
DISCREPANCY INDICATION SPAC	E	5,61 00		COORDINATE	C	7.,,4847	
	_		(Landfill use		Og		
Print/Type Name		·····	Signature/Date	•	8.		
SITE AND A	DDRESS			DISPO	SAL	INSTRUCTIONS	
SOUTH SHELBY 5494 MALONE NORTH SHELBY 7111 OLD MILLINGT I hereby certify that the above material ha my knowledge the longgoing is true and ac	ON RD. PERMIT# S is been accepted a ccurate.	NL 79-106-0224		MIX WI AT TOE		TUSE F SLOPE	
SIGNATURE OF AUTHORIZED AGENT	r	Receipt Date					



LMS TICKET NO.__

NO 060065

250-2		ENERATOR			
GENERATOR INSTRUCTIONS	SPECIAL WASTE— COMPLETE SECTION ASBESTOS WASTE—COMPLETE SECTION	NS: I., II., V., VII., VIII., IX.,) NS: I thru XII (Section 1. if re	XI Quired to an:	i de for hazardous wests -	anna da di di
SECTION I BFI WAS	TECODE TN211010215.	10.00163		* N-2 IN HATAINNAS MASIE CH	iaracteristics)
SECTION I GENERA	ATOR			GENERATING LOCA	TION
MAILING ADDRESS C	JUPPART ACTIVITY MI			PHONE NO. <u>どフィ</u>	45000
SECTION III OPERAT	OR/CONTRACTOR	: 11: NGTON TN =	2 <i>805</i> 9	PHONE NO	
NAME (O P)	OF ENG			ق	
ADDRESS 2915	RIVERPORT RO MENT	HIS TN 381	109	[] PHONE NO. <u>\$4/</u> 9	1 cars
SECTION IV OWNER	SAPPORT ACTION, 1110.			} 1110NE NO	
SECTION V WASTER	DISPOSAL CITE			PHONE NO. 874	
La North Shelby	Landfill 7111 Old Millington Re	d. Millington, Ten	n. 3805	PHYSICAL SITE LOC	ATION
LI South Shelby	Landfill 5494 Malone Rd Mem	phis, Tenn. 38116	;	PHONE NO. (901)	872-7200
Mphs. & Shelby C	sible agency (Local, State, EPA) Oty Health Dept. 814 Jefferson	Momphie TN 001	105	5 7	
Tenn. Div. of Air	Pollution 295 Summer Jackson	TN 20201 2004	105		576-7588
SECTION VII DESCRIP	PTION OF WASTE CONTAINERS		<u> </u>	PHONE NO. (901)	<u>423-6484</u>
DIESEL	j		أو إ	TYPE PM-METAL DRUM	UNITS P-POUND
CONTAIN			· 37	M-PLASTIC DRUM BA-6MIL PLASTIC	Y-YARDS
Q ,	, -	- 1 12 1		BAGS/WRAP -TRUCK	M³-CUBIC METER
		12 >		-OTHER	Y³-CUBIC YARDS
ASBESTOS WASTE REGULATED	RQ, Asbestos, 9, NA2212, PG III				0-OTHER
	NON-REGULATED	·····			
	HANDLING INSTRUCTIONS AND ADDITION	ONAL INFORMATION			
SECTION IX GENERATOR C			, iy		
I hereby certify that the above		SECTION X OPERATO	OR CERTICIA	ATION (ASBESTOS)	
and packaged, and is in proper	condition for transportation according to applicable	scribed above by proper s	company a	of this consignment are fully a e and are classified packed, m in for transport by highway acco	and accurately de arked and labeled
waste has been treated in account	s a treatment residue of a previously restricted hazard Disposal Restrictions, I certify and warrant that the rdance with the requirements of 40 CFR Part 268 and e as defined by 40 CFR Part 261.	international and government	ment regulațio	ons.	roing to applicable
RHAIDCINILSON	V ENU, 7-11-60		Ą		
Print/Type Name & Title 7	Shipment Date	Print/Type Name & Title			Shipment Date
Signature)		Operators Signature			
	TRANS	SPORTER		the state of the state of	
SECTION XI TRANSPOR	TERI C. M.C.	SECTION XII TRA	NSPC TE	R2	
ADDRESS 2915	DIVINPORT RD	NAME OF CO			
Print/Type Name/Title	CEASER	ADDRÉSS			
, , ,	HONE NO. 573 - 2521	Print/Type Nam	.ád		
cknowledgement of receipt	Lof-materials.	TRUCK NO	24		
ignature	7-11-00	Nownowiedgement of	receit ()	materials.	,
gnatary	Date	Signature		Da Da	ite
	DISPOS	SAL SITE		getien starting of the starting	
ISCREPANCY INDICATION	N SPACE	DISPOSAL COORDI	NATE 3		
		(Landfill use only)	¥.		
int/Type Name		Signature/Date			
SITE	AND ADDRESS	Oignature/Date.			
			DISPCSAL	INSTRUCTIONS	
NORTH SHELBY 7111 OLD N	MALONE RD. PERMIT# SNL 79-106-0135 Millington Rd. Permit# SNL 79-106-0224		t.		
knowledge the foregoing is tru	terial has been accepted and to the best of legand accurate.	7 415-	Lac.		
		MIX	MILL	50 (C)	
AUTHORIZE	DAGENT (PLEASE PRINT)	ALI	UL!OI	SLOPE	
SIGNATURE OF AUTHORIZE	// /- //- / (D AGENT Receipt Date				
114	rioceipi Date		a (

LMS TICKET NO._

A. C.	060063

GENERATOR SPECIAL WASTE— COMPLETE SECTIONS ASSESSED MAGTER COMPLETE SECTIONS	GENERATOR IN VIVI	
ASBESTOS WASTE-COMPLETE SECT	IONS: I., II., V., VII., VIII., IX., XI IONS: I thru XII (Section 1, if required to analyze f	or hazardous waste characteristics)
SECTION II GENERATOR	<u> </u>	ondition(s)
NAME AVAUAL SUPPORT ACTIVITY	• 3 cuild	ENERATING LOCATION
MAILING ADDRESS SZZZ Z NE GRIJG DD. A.	HINGLAN TAL 35 MI	10NE NO. 274 5902
SECTION III OPERATOR/CONTRACTOR	7 27 23 7 13 PI	HONE NO
ADDRESS 2915 PIUT RPORT RD MENIPHI		
SECTION IV OWNER	PH	ONENO.544 0946
NAME ALAUAL SUPPORT ACTIVITY	Mai A	
SECTION V WASTE DISPOSAL SITE	PH	ONE NO. 8745904
North Shelby Landfill 7111 Old Millington I	Rd. Millington, Tenn. 3805	YSICAL SITE LOCATION
South Shelby Landfill 5494 Malone Rd. Mei SECTION VI RESPONSIBLE AGENCY (LOCAL, STATE, EPA)	nphis, Tenn. 38116	DNE NO. (901) 872-7200
- I lefforso	n Manualata 🖚 💮	
- Jackson 295 Summer Jackson	n TN 20004 0004	(901) 576-7588
CONTAINE	RS TOTAL QUANTITY	NE NO. (901) 423-6484
	IPE UNIT BM-M	TYPE UNITS ETAL DRUM P-POUND
CONTANINATED 5011	/ LA-6N	AL PLASTIC MA CURIO
3016	/ / / / A] -TRL	ICK METER
ASBESTOS WASTE BO Asbestos O MAGGIO DE		HER YARDS O-OTHER
REGULATED RQ, Asbestos, 9, NA2212, PG III		O-OTHER
SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADDIT	IONAL INFORMATION	
<u> NONE</u>	STON STON	
SECTION IX GENERATOR CERTIFICATION	SECTION X OPERATOR CERTIFICATION	
I hereby certify that the above named material is not a hazardous waste as define by 40 CFR Part 261 or any applicable state law, has been properly described, classifier and packaged, and is in proper condition for transportation according to the condition of the condition of the condition according to the condition of the condition of the condition according to the condition of the condition according to the condition of		
dous waste subject to the waste is a treatment residue of a previously restricted by	e and are in all respects in proper condition for ter-	classified packed, marked and labeled,
waste has been treated in accordance with the requirements of 40 CFR Part 268 an is no longer a hazardous waste as defined by 40 CFR Part 261.	international and government regula ons.	according to applicable
PANAH WILL TO	•	
Print/Type.Name & Tille? Shipment Dale	Print/Type Name & Title	
Signature	Operators Signature	Shipment Date
TRAN	SPORTER	and the second second
SECTION XI TRANSPORTER I		
ADDRESS-915 RILE ADDRES	SECTION XII TRANSPOR E 9 2	· ·
DRIVER AUFRY WHEERCY Print/Type Name/Title	ADDRESS	
TRUCK NO. / PHONE NO. 573-2521	DRIVERPrint/Type Name/Title	
Acknowledgement of receipt of materials.	TRUCK NO PHONE NO	
Signature Julian, 7-11-00	Acknowledgement of receipt of nateria	ls.
C Date	Signature	Date
DISCREPANCY INDICATION SPACE	SALSITE	
2.00 TEPARCY INDICATION SPACE	DISPOSAL COORDINATES	
	(Landfill use only)	
Print/Type Name	Signature/Date	·
SITE AND ADDRESS		
D SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135 NORTH SHELBY 7111 OLD MILL NGTON RD. PERMIT# SNL 79-106-0224 hereby certify that the above material bas been accorded as the	DISPOSALINSTRU	ICTIONS
hornin ontitor 7111 ULD MILEINGTON RD. PERMIT# SNL 79-106-0224 hereby certify that the above material has been accepted and to the best of hy knowledge the foregoing is true and accurate.		
		•
AUTHORIZED AGENT PLEASE PRINT)	MIX WITH REC	d
SIGNATURE OF AUTHORIZED AGENT Begin Data	AT TOL 🐉	ι.
SIGNALUHE DE AUTHODIZOS ASSES ESTADOS		

LMS TICKET NO.

NON-HAZARDOUS SPECIAL AND	ASHESTOS	WASTE	MANIEEC.
1101	4	7.3	060050

CENEDATOR			ENERAT	OR				المر
GENERATOR INSTRUCTIONS	SPECIAL WASTE— ASBESTOS WASTE	COMPLETE SECTION	ONS: I., II., V.	VII., VIII.,	IX., XI			
SECTION! BFI WASTE	CODE / New /	10315	110-	(30) //	required to	analyze for hazardo	ous waste cl	naracteristics)
SECTION II GENERATO	NP.				2 3 3	GENERAT	1110100	
NAME ALA JAL SI	TATECAT					GENERAT PHONE N	1NG LOCA 10. <u>27</u>	ation <u>14 590</u>
SECTION III OPERATOR	R/CONTRACTOR	y UN WILL	MILAN	7111	38051	PHONE NO		
SECTION III OPERATOR	ENGINEC	45				A.		
ADDRESS 915 2, SECTION IV OWNER	OF ROSAIU	1718 AIRI	is TN	381	09	- ! PHONE NO	511	4 0947
NAME NAVAL S	UPPORT OF		. ,			- 3 FRONE NO	1	4 079/
						_ <u>i</u> PHONE NO		
North Shelby L	andfill 7111 Old	Millington R	d. Millin	gton, T	enn. 380:	PHYSICAL:	SITE LOCA	ATION
	1001111 5494 Mai	one Rd Ma~	ohis. Te	nn. 381	16	쌝	(901)	872-7200
Mphs. & Shelby Cty	Health Dept. 8	, STATE, EPA)	Momnh	in This	240-	TIONE NO.	- (901)	212-1200
Tenn. Div. of Air Po	Ilution 295 Sum	mer Jackson	TN 292	15, 110 3	38105	- 위	(901) 5	576-7588
SECUPION ALL DESCRIPTIO	ON OF WASTE	CONTAINER		TOTAL QU		HONE NO.	(901) 4	<u> 123-6484</u>
DIESEL	_	NO. TY		UN		TYPE JM-METAL DR	RUM	UNITS P-POUND
CUNTAMIN	ATEO		_			DM-PLASTIC I	DRUM	Y-YARDS M³-CUBIC
Soil		1	' ,	12	1/	BAGS/WR	AP	METER
ASBESTOS WASTE B						3 OTHER	٠	Y³-CUBIC YARDS
REGULATED	O, Asbestos, 9, NA22 NON-REGULA	TED						0-OTHER
SECTION VIII SPECIAL HA	NDLING INSTRUCTION	ONS AND ADDITIO	ONAL INFO	PMATION		- 		,
KIONE.				MATION		7)		
SECTION IX GENERATOR CERT	IFICATION		SECTIO	LV OPE		強		
I hereby certify that the above nar by 40 CFR Part 261 or any applicable and packaged, and is in proper con- regulations; AND, if the waste is a tr dous waste subject to the Land Dis waste has been treated in accordan is no longer a hazardous waste as	dition for transportation ac eatment residue of a previo posal Restrictions, I certify	cording to applicable busly restricted hazar-	l hereb scribed a and are in	bove by prop	at the contents	CATION (ASBESTO of this consignmer me and are classified on for transport by hi ions.	nt are fully ar	nd accurately de- rked and labeled, ding to applicable
FANDY WILSON	F. NU. SPEC.	" 7-11-00				Ę		
Print/Type Name & Title		Shipment Date	Print/Typ	e Name & Tit	le .	3		Shipment Date
Signature	and the second		Operator	s Signature		1		
050710		TRANS	PORTER		2			
NAME OF CO. C. C. P.		: AC	SECTION	ON XII TI	RANSPOR	ER 2		
ADDRESS 2915 7:12 11			NAME	OF CO				
DRIVER A A P F	CEMSER		DRIVER	₹		ļ		
TRUCK NO. / 2 PHONE	ENO. 573.	2521	1	Print/Type N	vame/Title			
Acknowledgement of receipt of n	naterials.	•	Acknow	edgemen	of receipt	materials		
Signature / (()	7	7 - 11 - C C	Signature			,		•
				<u>.</u>		1 2	Date	
DISCREPANCY INDICATION SP	ACE	DISPOS	AL SITE					
			(Landfill	AL COOR use only)	DINATES	· · · · · · · · · · · · · · · · · · ·		
Print/Type Name					şt.			
CITE AND	2400000		Signature / Date		i j			
/ 🖂 SOUTH SHEERY SADA MALO	DADDRESS NE RD PERMITH SNL 70 10	E 010E			DISPOSAL	INSTRUCTIONS	S	
Thereby certify that the above and	IOTON RD. PERMIT# SNL /	9-106-0224			F			
my knowledge the foregoing is true and	accurate.	the best of			min n			
AUTHOBIZED AGE	NT (PLEASE PRINT)		N	IIX WI	144 H / / / / / / / / / / / / / / / / / /			
Walter that In	A	11/1/	Α	T TOE	しいり			
SIGNATURE OF AUTHORIZED AGE	N Rece	ipt Date			31			

GENERATOR	CDECIAL MACE					5.6	
INSTRUCTIONS	ASBESTOS WAST	– COMPLETE SECTION SECTION - COMPLETE SECTION - COM	3NS: I., II., 3NS: I thru	, V., VII., VIII. XII (Section 1	, IX., XI i, if required to ar	nal te for hazardous waste	Characteristics)
SECTION I BFI WASTE CO	DDE <u>7 A/</u>	11-16-51			77635		onaracteristics)
SECTION II GENERATOR	2 (2)					GENERATING LO	CATION
NAME /// /// C , P	· [A / Y 					_ PHONE NO. 🔀	<u> 7</u> 4 のタム
MAILING ADDRESS 7		1 1	. 17	<u> </u>	95	PHONE NO	
NAME CORP DE	$\mathcal{F} = \mathcal{M}_{-1}$					ρ — — — — — — — — — — — — — — — — — — —	
ADDRESS W SECTIONIV OWNER	o page of the second					- %: %:	
				<u> </u>		PHONE NO.	4 2901
NAME A 49	1. 5T 35-7	10 70	. <i>i</i> j. s.	1. 1. 1.		2110115110	
SECTION V WASTE DISDO	CAL CITE					PHONE NO.	2471211
North Shelby Lan		d Millington F	<u> </u>	lington,	Tenn. 3805	ical Site Lo	CATION
South Shelby Lan	idfill 5494 Ma	lone Rd. Mer	nphis.	Tenn. 38	3116	. PHONE NO. (901) 872-7200
SECTION VI RESPONSIBLE Mphs. & Shelby Cty	EAGENCY (LOCA Health Dont	L, STATE, EPA)	. 14				7015 1200
Tenn. Div. of Air Poll	ution 205 Su	mmer laste	1 IVIEM	pnis, IN	38105	(901) 576-7588
SECTION VII DESCRIPTION	LOE WASTE					"HONE NO. (901) 423-6484
DESCRIPTION	IOF WASIE	CONTAINER NO. T	RS YPE		QUANTITY NIT	TYPE	UNITS
				O	INIT	วิเท–METAL DRUM จัฬ–PLASTIC DRUM	P-POUND Y-YARDS
Compression of	<i>f</i> ()	,	,		. , .	BAGS/WRAP	M³-CUBIC
Sail		f :		10	\mathcal{Y}	TTRUCK	METER Y3-CUBIC
ASBESTOS WASTE BO					ĺ	C -OTHER	YARDS O-OTHER
nu,	Asbestos, 9, NA	2212, PG III					- Jo Offich
SECTION VIII SPECIAL HAN	DI ING INSTRUCT	ATED					
N 1986	DEMICINSTRUCT	HONS AND ADDIT	IONALIN	FORMATIC)N ¬	년 년	
SECTION IX GENERATOR CERTIFI						ii) 20	
by 40 CFR Part 261 or any applicable stand packaged, and is in proper condit regulations; AND, if the waste is a treadous waste subject to the Land Dispowaste has been treated in accordance is no longer a hazardous waste as de	the transportation the transitue of a pre- sal Restrictions, I cer with the requirement fined by 40 CFR Part	eviously restricted haza tify and warrant that the s of 40 CFR Part 268 ar 261.	ole and ar- inte	are in all respe-	proper shipping na- cts in proper condi- government regular	of this consignment are ful ne and are classified packed on for transport by highway ac tions.	marked and labeled cording to applicable
X PALÍDES LAS A COMP	INL ;					· ·	
Print/Type Name & Title		Shipment Date	Pri	nt/Type Name &	Title	-	Shipment Date
Signature			- Opr	erators Signatu	re :	•	
		TRAN	SPORT	12B			
ECTION XI TRANSPORTER		_			TRANSPORT	₩	
NAME OF CO.	er e	<u> </u>					
RIVER A JE CO. 10				ME OF CO.	<u>h</u>		
	7		- 1	DRESS	<u>\</u>		
PLICK NO Print/Type Name/Title			- 1	DRESS	pe Name / Tille		
RUCK NO PHONE			DR TR	DRESS NVER_ Print/Ty UCK NO	pe Name / Title		
RUCK NO PHONE			DR TR	DRESS NVER_ Print/Ty UCK NO	pe Name / Tille		,
RUCK NO		Date	DR TR Ack	DRESS IIVER Print/Ty UCK NO knowledgem	pe Name / Title PH one of receips	materials.	
RUCK NO. PHONE cknowledgement of receipt of ma			DR TR Ack	DDRESS	pe Name / Title	materials.	Date
RUCK NOPHONE cknowledgement of receipt of ma	aterials.		TR Ack Sign	DRESS_ IIVER_ Print/Ty UCK NO Knowledgerr	pe Name/Tille PHO	materials.	Date
·aua	aterials.		DR TR Ack Sign	DRESS_ IIVER_ Print/Ty UCK NO Knowledgerr	pe Name / Title PH One	materials.	Date
RUCK NOPHONE cknowledgement of receipt of ma Advantage gnature SCREPANCY INDICATION SPA	aterials.		TR Ack Sign DSAL SI DIS	DRESS_ IIVER_ Print/Ty UCK NO_ knowledgern nature TE POSAL CO ndfill use onl	pe Name / Title PH One	materials.	Date
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RUCK NOPHONE cknowledgement of receipt of ma gnature ISCREPANCY INDICATION SPA Int/Type Name SITE AND SOUTH SHELBY 5494 MAI ONLY	ACE ADDRESS E RD. PERMIT# SNL 7: GTON RD. PERMIT# SN	DISPC	TR Ack Sign DSAL SI DIS	DRESS_ IIVER_ Print/Ty UCK NO_ knowledgern nature TE POSAL CO ndfill use onl	ore Name / Title PHO Dent of receip 6	materials.	Date
Grature ISCREPANCY INDICATION SPA INT/Type Name SITE AND SUITH SHELBY 5494 MALONI NORTH SHELBY 7111 0UL MALONI PHONE REPONCE OF THE SHELBY 7111 OUL MALONI PHONE OF THE SHELBY 5494 MALONI PHONE OF THE SHELBY 7111 OUL MALONI PHONE OF THE SHELBY 5494 MALONI PH	ACE ADDRESS E RD. PERMIT# SNL 7: GTON RD. PERMIT# SN accurate.	DISPC	TR Ack Sign DSAL SI DIS	DRESS_ IIVER_ Print/Ty UCK NO_ knowledgern nature TE POSAL CO ndfill use onl	pe Name / Title PHO nent of receip 6	materials.	Date
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060049

NON-HAZARDOUS SPECIAL AND ASKESTOS WASTE MANIFES

	GENER	ATOR	
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE-	COMPLETE SECTIONS: L. II.	V. VII VIII IX XI	inglyze for hazardous waste characteristics)
SECTION BFI WASTE CODE THE INC.	16515 NO	. 52 - 71 - 35	<u> </u>
SECTION II GENERATOR	7 70 0 6	<u>-</u>	GENERATING LOCATION
MAILING ADDRESS 5722 TWO TO THE	•		PHONE NO. 274.57
SECTION III OPERATOR/CONTRACTOR		Action Control of Control	# PHONE NO.
NAME CORP OF FAGINE			-
	D. MEMPHIS,	TN 38109	PHONE NO. 544 1977
NAME ALAUAL SUPPARTACE	J. Ty M. A. S.	-117 H	PHONE NO. 2745462
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old	l Millington Rd. Mi	llington, Tenn. 380	PHYSICAL SITE LOCATION
South Shelby Landfill 5494 Mal		. Tenn. 38116	PHONE NO. (901) 872-7200
Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Mer	nphis, TN 38105	(901) 576-7588
Tenn. Div. of Air Pollution 295 Sur			PHONE NO. (901) 423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	TYPE UNITS
1311 55 4	NO. TYPE	UNIT	DM-METAL DRUM P-POUND DM-PLASTIC DRUM Y-YARDS
CONTRACTOR SOLL			BA-6MIL PLASTIC M³-CUBIC BAGS/WRAP METER
	1 7	10 /	T-TRUCK Y3-CUBIC YARDS
ASBESTOS WASTE RQ, Asbestos, 9, NA	2212 PG III	у.	O-OTHER
REGULATED NON-REGUL		.:). Ji
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONAL	INFORMATION	
NONE)
SECTION IX GENERATOR CERTIFICATION		,	TIFICATION (ASBESTOS)
I hereby certify that the above named material is not a ha by 40 CFR Part 261 or any applicable state law, has been progand packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a produs waste subject to the Land Disposal Restrictions, I ce waste has been treated in accordance with the requiremen is no longer a hazardous waste as defined by 40 CFR Par	perly described, classified n according to applicable reviously restricted hazar- ertify and warrant that the tts of 40 CFR Part 268 and	scribed above by proper shippir.g	eats of this consignment are fully and accurately de gname and are classified packed, marked and labeled fi-filion for transport by highway according to applicable gulations.
RANDA LALLEN EN NY SPEC.	Shipment Date	Print/Type Name & Title	Shipment Date
Signature		Operators Signature	
	TRANSPO	RTER	
SECTION XI TRANSPORTER I	.	SECTION XII TRANSF	RTER 2
NAME OF CO. CORP TO THE TOTAL PROPERTY OF THE	27 x 26,	NAME OF CO.	2
DRIVER CHARLES CENSER	3243: 11× 177 1	ADDRESS	,
Print/Type Name/Title TRUCK NO. / PHONE NO. 7	3-550/	Print/Type Name/Till TRUCK NO	6 PHONE NO
Acknowledgement of receipt of materials.		Acknowledgement of reg	1
MA	77-11-00	F/ 1:	000
Signature / // Cultural Cultur	Date	Signature	Date
	DISPOSA		
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINAT (Landfill use only)	
Print/Type Name	Siç	gnature/Date	<u>. </u>
SITE AND ADDRESS	· · ·	Dieg.	OSAL INSTRUCTIONS
☐ SOUTH SHELBY 5494 MALONE RD. PERMIT# SN ☐ NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# Thereby certify that the above material has been accepte	# SNL 79-106-0224	A Company of the Comp	
my knowledge the foregoing is true and accurate.			ITH REFUSE
AUTHORIZED AGENT-(PLEASE PRINTS) SIGNATURE OF AUTHORIZED AGENT	Receipt Date	TO	E Or ULOPE

LMS TICKET NO.

060061

GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE-	COMPLETE SECTIONS: 1. -COMPLETE SECTIONS: 11	II., V., VII., VIII., IX., XI hru XII (Section 1, if required to	an įlyze for hazardous waste ch	aracteristics)
SECTION I BFI WASTE CODE TN is 11.	10315 N	1 10/035	.9	
SECTION II GENERATOR	, p.,.)-	, 0.T.H	GENERATING LOCA	TION 14 5 9000
MAILING ADDRESS 57027 M % GROW	1981 mar	TIMEN HYUS	4 PHONE NO.	,
SECTION III OPERATOR/CONTRACTOR				
ADDRESS 2915 RIVERPORT RD.	PHONE NO. 54	4 / 907		
NAME NAMAL SUPPORT ACT	PHONE NO. 😕 70			
SECTION V WASTE DISPOSAL SITE	Millington Rd. I	Millington, Tenn. 380	PHYSICAL SITE LOC	ATION
☐ South Shelby Landfill 5494 Mal		is, Tenn. 38116	PHONE NO. (901)	872-7200
SECTION VI RESPONSIBLE AGENCY (LOCAL Mphs. & Shelby Cty Health Dept.	814 Jefferson Mi		(901)	576-7588
Tenn. Div. of Air Pollution 295 Sun		N 38301-3984	PHONE NO(901)	423-6484
SECTION VII DESCRIPTION OF WASTE	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	TYPE DM-METAL DRUM DM-PLASTIC DRUM	UNITS P-POUND Y-YARDS
SOIL	1 T	12 4	3A-6MIL PLASTIC BAGS/WRAP -TRUCK D-OTHER	M°-CUBIC METER Y°-CUBIC YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA2 REGULATED NON-REGUL	2212, PG III ATED	· · · · · · · · · · · · · · · · · · ·	:	
SECTION VIII SPECIAL HANDLING INSTRUCT	TONS AND ADDITION	AL INFORMATION	3	
M. N.			<u> </u>	
SECTION IX GENERATOR CERTIFICATION I hereby certify that the above named material is not a haz by 40 CFR Part 261 or any applicable state law, has been proping and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a predous waste subject to the Land Disposal Restrictions, I cerwaste has been treated in accordance with the requirement is no longer a hazardous waste as defined by 40 CFR Part	erly described, classified according to applicable evicusly restricted hazar- tify and warrant that the sof 40 CFR Part 268 and	hereby declare that the cont	ITIFICATION (ASBESTOS) ter to f this consignment are full g are and are classified packed, on the on for transport by highway ac gua: ons.	marked and labeled
Print/Type Name & Title //			· - 설	
Print/Type Name & Title	Shipment Date	Print/Type Name & Title	3	Shipment Date
Signature		Operators Signature		
SECTION XI TRANSPORTER I	TRANSP			
NAME OF CO. C.	1V. 135	NAME OF CO.	- 	
ADDRESS 915 KINE RYOR KIND BIVER AND RIVER AND RED WHELEY	i justavaj	ADDRESS	- <u>[-</u>	
Print/Type Name/Title TRUCK NO. PHONE NO. 7	3-2521	Print/Type Name/Titl	E JONE NO.	
Acknowledgement of receipt of materials.		Acknowledgement of rece	· 4:1	
Signature	Date Date	Signature		Date
	DISPOSA	N SITE		
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINAT (Landfill use only)	0	
Print/Type Name		Signature/Date	57	
SITE AND ADDRESS		DISP	ÖSAL INSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SIL I hereby certify that the above material has been accepted my knowledge the foregoing is true and accurate. AUTHORIZED AGENT PLEASE PRINT	SNL 79-106-0224	MDX vo	The second of th	

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	GENER	RATOR		
GENERATOR SPECIAL WASTE- Instructions asbestos waste	COMPLETE SECTIONS: I., II -COMPLETE SECTIONS: I thr	I., V., VII., VIII., IX., XI u XII (Section 1, if required to an	a v.e for hazardoùs waste cha	racteristics)
SECTION I BFI WASTE CODE 1/1/				
SECTION II GENERATOR		_	GENERATING LOCAT	TION
NAME MANAL SHIP OF ACTUAL			PHONE NO. 💷 🦈	11 7900
MAILING ADDRESS 27.3 2 7 AV	1.28 ²	10 NOT AL PROS	PHONE NO	
NAME CAR P F AGAIN				
ADDRESS DVIS RIGHT PART PA	No WASTAN	<u> </u>	PHONE NO. 1/4/	0947
SECTION IV OWNER NAME ALABA STANDARD AND AND AND AND AND AND AND AND AND AN		A 74		
SECTION V WASTE DISPOSAL SITE	<u> </u>	A . 14	PHONE NO. PHYSICAL SITE LOCA	
North Shelby Landfill 7111 Old	d Millington Rd. M	illington, Tenn. 3805	S FITSICAL SITE LOCA	ATION
☐ South Shelby Landfill 5494 Ma		s. Tenn. 38116	. PHONE NO. (901)	872-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	L, STATE, EPA) 814 Jefferson Mei	mphis TN 38105	(901)	576-7588
Tenn. Div. of Air Pollution 295 Su			. ∜PHONE NO. (901)	
SECTION VII DESCRIPTION OF WASTE	CONTAINERS	TOTAL QUANTITY	T "	
100 L. K.	NO. TYPE	UNIT	TYPE	UNITS P-POUND
Same of the state			ÖM-PLASTIC DRUM B6MIL PLASTIC	Y-YARDS M³-CUBIC
301L	1 7		BAGS/WRAP	METER Y³-CUBIC
	, , , , , , , , , , , , , , , , , , ,	12 4	9 OTHER	YARDS
ASBESTOS WASTE RQ, Asbestos, 9, NA	2212 PC III	<u> </u>	<u>'</u>	O-OTHER
REGULATED				
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONAL	LINFORMATION		
NowF			ĺ,	
SECTION IX GENERATOR CERTIFICATION		SECTION X OPERATOR CERTI	F:OATION (ASBESTOS)	
I hereby certify that the above named material is not a haby 40 CFR Part 261 or any applicable state law, has been pro and packaged, and is in proper condition for transportatic regulations; AND, if the waste is a treatment residue of a p dous waste subject to the Land Disposal Restrictions, I created has been treated in accordance with the requiremer is no longer a hazardous waste as defined by 40 CFR Pa	perly described, classified n according to applicable reviously restricted hazar- ertify and warrant that the its of 40 CFR Part 268 and	I hereby declare that the conten scribed above by proper shipping n and are in all respects in proper cond international and government regul	ਦਾ ਸਾਂ and are classified packed, i linc i for transport by highway acc	marked and labeled
Print/Type Name & Title	Shipment Date	Print/Type Name & Title		Shipment Date
A Third type walle a Third	Simplifient Date	r tille Type Name & Title .	6	Ompinent Bate
Signature		Operators Signature		
	TRANSPO	ORTER		
SECTION XI TRANSPORTER I		SECTION XII TRANSPOR	R 2	
ADDRESS 195 Page 195		NAME OF CO.		
DRIVER CHARLES CHARLE		ADDRESS	7	
Print/Type Name/Title TRUCK NO. / PHONE NO. 5 7	: < >)	Print/Type Name/Title TRUCK NO PH	LONE NO	
Acknowledgement of receipt of materials.		Acknowledgement of receip	A:	
11/2 7/2		, · · · · · · · · · · · · · · · · · · ·	Ĵ	
Signature /	Date	Signature	and the second s	Date
	DISPOSA	LSITE		
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATES (Landfill use only)		
) - 세	
Print/Type Name	Sig	gnature / Date	e e e e e e e e e e e e e e e e e e e	
SITE AND ADDRESS		DISPO	SA. INSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SN NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# Thereby certify that the above material has been accepte my knowledge the foregoing is true and accurate. AUTHORIZEPAGENT (PLEASE PRINT	f SNL 79-106-0224 d and to the best of	MIX WITH AT TOE		
SIGNATURE OF AUTHORIZED AGENT	Receipt Date		THE STATE OF THE S	

LMS TICKET	NO	1)	11	
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₩ 060059

NON-HAZARDOUS SPECIAL AND ASSESTOS WASTE MANIFEST

	GENER	RATOR	V-1	
GENERATOR SPECIAL WASTE- INSTRUCTIONS ASBESTOS WASTE	COMPLETE SECTIONS: I., II E-COMPLETE SECTIONS: I thr	I., V., VII., VIII., IX., XI u XII (Section 1, if required to an	alyze for hazardous waste char	acteristics)
SECTION I BFI WASTE CODE 7/1/	010215 140	1 5/5	N a	
SECTION II GENERATOR			GENERATING LOCATI	
NAME AND ALL AND AND ACTION				<u>(/ </u>
MAILING ADDRESS TO A TOP OF THE ACTOR	1 mg (11 g) 1	<u> </u>	PHONE NO.	
SECTION III OPERATOR/CONTRACTOR	7 2 S		N N	
	and the state of t	Δr >	PHONE NO. 34/	1 111
SECTION IV OWNER NAME MANAGEMENT PROPERTY OF THE PROPERTY OF			PHONE NO.	
SECTION V WASTE DISPOSAL SITE			PHYSICAL SITE LOCA	
North Shelby Landfill 7111 Old			- 1	
South Shelby Landfill 5494 Ma		3. Tenn. 38116	. § PHONE NO. (901) 8	372-7200
SECTION VI RESPONSIBLE AGENCY (LOCA Mphs. & Shelby Cty Health Dept.	AL, STATE, EPA) 814 Jefferson Mei	mnhis TN 38105	(001) F	76-7588
Tenn. Div. of Air Pollution 295 Su			901) 3 PHONE NO. (901) 4	
SECTION VII DESCRIPTION OF WASTE	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
DEINEL	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	TYPE M-METAL DRUM M-PLASTIC DRUM BA-6MIL PLASTIC	P-POUND Y-YARDS M3-CUBIC
(> APTA HILLAND EX)	1 —	10	BAGS/WRAP	METER
SOIL	/	/ 6 /	T-TRUCK D-OTHER	Y³-CUBIC YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA	12212, PG III			
REGULATED NON-REGU			'	
SECTION VIII SPECIAL HANDLING INSTRUC	TIONS AND ADDITIONA	LINFORMATION	i.	
NICHE			1	
I hereby certify that the above named material is not a hiby 40 CFR Part 261 or any applicable state law, has been pro and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a dous waste subject to the Land Disposal Restrictions, it waste has been treated in accordance with the requireme is no longer a hazardous waste as defined by 40 CFR Pa	operly described, classified on according to applicable oreviously restricted hazar- certify and warrant that the ents of 40 CFR Part 268 and art 261.		dition for transport by highway acco	arked and labeled
Print/Type Name & Title	Shipment Date	Print/Type Name & Tille		Shipment Date
Signature		Operators Signature	Elektrick Diese	
	TRANSPO	ORTER	A.	
SECTION XI TRANSPORTER I		SECTION XII TRANSPO	R ER 2	
ADDRESS (1/1 V)	and and any N	ADDRESS	· -	
DRIVER Frint/Type Name/Title	1	DRIVERPrint/Type Name/Title	<u> </u>	
TRUCK NO. // PHONE NO. 7	2 6 501	TRUCK NO Pr	10NE NO	
Acknowledgement of receipt of materials.		Acknowledgement of receip	of materials.	,
Mary Juffer	7.7 (1) 2.	8	<u> </u>	B-1.
Signáture	Date	Signature		Date
	DISPOSA	LSITE	i.	
DISCREPANCY INDICATION SPACE		DISPOSAL COORDINATE (Landfill use only)	S A	
Print/Type Name	Si	ignature/Date	le le	
SITE AND ADDRESS		DISPC	DSAL INSTRUCTIONS	-, ,
SOUTH SHELBY 5494 MALONE RD. PERMIT# SI NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT I hereby certify that the above material has been accepted by knowledge the foregoing is true, and accurate. AUTHORIZED AGENT (BLEASE PRIN	[# SNL 79-106-0224	MEX MIT - AT TOE C	A CUSE F ULOPE	
SIGNATURE OF AUTHORIZED AGENT	Receipt Date	DELL VELLOUI TO SHORES	TOD DIMIV . GENERA	



NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

GENE	RATOR		
GENERATOR SPECIAL WASTE— COMPLETE SECTIONS: I. INSTRUCTIONS ASBESTOS WASTE—COMPLETE SECTIONS: I I	. II., V., VII., VIII., IX., XI hru XII (Section 1, if required to anal	yzes or hazardous waste cha	racteristics)
SECTION I BEI WASTE CODE TN 0211 010504 NO	003/87		
SECTION II GENERATOR NAME NAVAL SUPPORT ALTIVITY MID SOC		GENERATING LOCATE SHONE NO. 87	1-5902
MAILING ADDRESS 5922 INTEGRITY DR, MIL	LAX-TON, TN 3805	FHONE NO	
SECTION III OPERATOR/CONTRACTOR NAME CORPS OF ENGINEERS			
ADDRESS 2915 RIVERPORT RD, MEANPHIS, TA	1, 38/09	340NE NO. 544	-0947
NAME NAVAL SUPPORT ACTIVITY MID SOUT	74	10NE NO. 874	
SECTION V WASTE DISPOSAL SITE North Shelby Landfill 7111 Old Millington Rd. I		9 IYSICAL SITE LOCA	ATION
South Shelby Landfill 5494 Malone Rd. Memoh	is, Tenn. 38116	F: IONE NO. (901)	872-7200
Mphs. & Shelby Cty Health Dept. 814 Jefferson M	emphis, TN 38105	(901)	576-7588
Tenn. Div. of Air Pollution 295 Summer Jackson, T	N 38301-3984	-HONE NO(901)	423-6484
SECTION VII DESCRIPTION OF WASTE CONTAINERS FUEL OIL CONTAIN IN 147ED NO. TYPE SOIL + DEBRIS /	TOTAL QUANTITY UNIT	TYPE L WI-METAL DRUM L WI-PLASTIC DRUM BAI-6MIL PLASTIC BAGS/WRAP THORNOLL	UNITS P-POUND Y-YARDS M³-CUBIC METER Y³-CUBIC YARDS O-OTHER
ASBESTOS WASTE RQ, Asbestos, 9, NA2212, PG III REGULATED NON-REGULATED	<u> </u>		
SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADDITION	AL INFORMATION		
NONE			
I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.	I hereby declare that the contents scribed above by proper shipping na and are in all respects in proper condi- international and government regular	imeland are classified packed, tion for transport by highway ac	marked and labeled,
PrintType Name & Tipe Shipment Date A culture	,,	T C	Shipment Date
Sig/Ádure)	Operators Signature		
· · · · · · · · · · · · · · · · · · ·	PORTER		
NAME OF CO. R. L. / NMAN TRUCKING	SECTION XII TRANSPOR	(1921) 2 - 1	
ADDRESS HWY 51 BRIGHTON, TN 38011	ADDRESS		
DRIVER KEN CATOROLC Print/Type Name/Title	DRIVER		
TRUCK NO PHONE NO 837-3888		ONE NO	- · · · · · · · · · · · · · · · · · · ·
Acknowledgement of receipt of meterials.	Acknowledgement of receipt	c materials.	
Signéture Date	Signature	F.3	Date
DISPOS	AL SITE		
DISCREPANCY INDICATION SPACE	DISPOSAL COORDINATES (Landfill use only)		
Print/Type Name	Signature/Date		
SITE AND ADDRESS	DISPOS	SAL INSTRUCTIONS	
SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 79-106-0224 Thereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and acceptate. AUTHORIZED AGENT (PLEASE PRINT)		PREFUS OF SLOP:	
SIGNATURE OF AUTHORIZED AGENT Receipt Date	NDFILL - YELLOW • TRANSPORT	FR'-PINK A GENERATOR	EU E - COL DENDOD

5-203

CKET NO. 15890

Nº 060484

HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

GENERATOR

GENERATOR INSTRUCTIONS

IPLETE SECTIONS: I., II., V., VII., VIII., IX., XI
IPLETE SECTIONS: I thru XII (Section 1. if required to analyze for hazardous waste characteristics)

- CAUTIONI CHORS		IPLETE SECTIONS: I	thru XII (Section 1, if required	to analyže for hazardou	s waste characteristics)
	BFI WASTE CODE 70 02/1	010504 N	0.003/89		
SECTION II	GENERATOR UAL SUPPORT ACTIV	1179 MID 504	TH	GENERATII	NG LOCATION B74-590C
	PRESS 59ZZ /NTEGRI	TY DR., MILLIA	140N, TN 3803		-
NAME COR	OPERATOR/CONTRACTOR			*	
	915 RIVERPORT RD,	MEMPHIS, TN	,38054	 ⊇HONE NO.	544-0947
	VAL SUPPORT ACTIO	MID SOU	TH	=	874-5904
North	waste disposal site Shelby Landfill 7111 Old	d Millington Rd. I	Millington, Tenn. 3	PHYSICAL S	BITE LOCATION
	Shelby Landfill 5494 Ma				(901) 872-7200
SECTION VI	RESPONSIBLE AGENCY (LOCA helby Cty Health Dept.	AL, STATE, EPA)	· ,	¥ 10.12.10.	(901) 576-7588
Tenn. Div.	of Air Pollution 295 Su	mmer Jackson, T	N 38301-3984	—— §	(901) 423-6484
SECTION VII FUEL 010	DESCRIPTION OF WASTE	CONTAINERS NO. TYPE	TOTAL QUANTITY	Y TYPE	UNITS RUM P-POUND
5016	+ DEBRIS	1 7		DM-PLASTIC EA-6MIL PLAS BAGS/WR	STIC M°-CUBIC
				FRUCK On OTHER	METER Yº-CUBIC YARDS
ASBESTOS WA	ASTE RQ, Asbestos, 9, NA	2212. PG III			0-OTHER
REGULA	ATED NON-REGU	LATED		ar ar	
	SPECIAL HANDLING INSTRUC	TIONS AND ADDITION	ALINFORMATION		
SECTION IX GE	ENERATOR CERTIFICATION	 .	<u>.</u>	<u> </u>	
and packaged, and regulations; AND, i dous waste subject waste has been free	that the above named material is not a ha or any applicable state law, has been pro if is in proper condition for transportatio if the waste is a treatment residue of a pic to to the Land Disposal Restrictions, I co tated in accordance with the requiremen ardous waste as defined by 40 CFR Pal	perly described, classified on according to applicable reviously restricted hazar-ertily and warrant that and the set of 40 CEP Bott 1058 and	I hereby declare that the co	CODDII In for transport by	ent are fully and accurately de- ed packed, marked and labeled, highway according to applicable
RINDY WI Print/Type Name &)	LIDN ENU. PROT. SPEC	Shipment Date	Print/Type Name & Title	<u></u>	Shipment Date
Signature	Well		Operators Signature		<u>.</u>
		TRANSF			
SECTION XI T	RANSPORTER I			PORTER 2	
r J.	R.L. INMAN TRUC		NAME OF CO		<u> </u>
ADDRESS_ <i>[76</i> 4 DRIVER <i>W</i>	1451 BRIGHTON, 7N3	0 f 2 m	ADDRESS	<u></u> :	
Print/Type	e Name / Title	022	DRIVER		
TRUCK NO. <u></u> _ Acknowledgeme	ent of receipt of materials.	000	TRUCK NO Acknowledgement of re-		
	Level Compl	5		naterials.	
Signature		Date	Signature		Date
		DISPOSA	ALSITE	n n	
DISCREPANCY	INDICATION SPACE		DISPOSAL COORDINA (Landfill use only)	ATES	
Print / Type Name			ignature/Date	· · · · · · · · · · · · · · · · · · ·	
	SITE AND ADDRESS	Т	DIS	SPOSAL INSTRUCTION	ONS
NORTH SHEL	SHELBY 5494 MALONE RD. PERMIT# SNI BY 7111 OLD MILLINGTON RD. PERMIT# the above material has been accepter foregoing is true and accurate.	SNL 79-106-0224		: :	
SIGNATURE C	AUTHORIZED AGENT (PLEASE PRINT) AUTHORIZED AGENT	8-/-00 Receipt Date	AT TOE	TH SEFUSE OF SLOPE	·

LMS TICKET NO. 15 080482 NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

GENERATOR

SECTION I BEI WASTE CODE TN 02/10/0504	4 NO 103/85	计算数据数字分析	
SECTION II. GENERATOR		GENERATING LOCAT	FION
NAME NAVAL SUPPORT ACTIVITY MIN SO MAILING ADDRESS 5722 PATEGRITY DRIVE		_ PHONE NO. <u>274</u>	Z:2
SECTION III. OPERATOR/CONTRACTOR	A AMERICA A WAY	PHONE NO.	
NAME CORDS OF FOUNDARS	1 2016	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	اوالا مريس د
ADDRESS 25/5 RAFT PORT ED ME MAIN, 7 SECTION IV. OWNER	-N 38109	PHONE NO. 3 4/2/5	LIG
NAMENAVAL SUPPORT ACTIVITY MIN 50	ONTH	- PHONE NO. 6 76	· •
SECTION V. WASTE DISPOSAL SITE X North Shelby Landfill 7111 Old Millington Rd.	Millington Tenn 380	PHYSICAL SITE LOCA	ATIO
South Shelby Landfill 5494 Malone Rd. Memo		PHONE NO(901)_{	872
SECTION VI RESPONSIBLE AGENCY (LOCAL, STATE, EPA)	Let 115 your Deal at these fillensies	Wisher Color	≥ 4
Mphs. & Shelby Cty Health Dept. 814 Jefferson Menn. Div. of Air Pollution 295 Summer Jackson.		(901) (PHONE NO (901)	10°
SECTION VII DESCRIPTION OF WASTE CONTAINERS		PHONE NO. (901)	
FILE CIL CONTAMINATED NO. TYPE	E UNIT	Ĺ M–METAL DRUM L M–PLASTIC DRUM	P
JULLAND AFBRIS		E 4-6MIL PLASTIC BAGS/WRAP	M
		T-TRUCK (-OTHER	Y
ASBESTOS WASTE RQ, Aspestos, 9, NA2212, PG III		The state of the s	C
REGULATED NON-REGULATED			
SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADDITIO	NAL INFORMATION	A COLUMN	
200PF			
SECTION IX GENERATOR CERTIFICATION Libereby certify that the above gamed material is not a bazardous waste as defined	SECTION X OPERATOR CERT		and Land
Thereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazar-	I hereby declare that the conte scribed above by proper shipping and are In all respects in proper con	rante and are classified packed, r	marke
regulations; AND, if the waste is a treatment residue of a previously restricted hazar-			,010111
dous waste subject to the Land Disposal Restrictions, I certify and warrant that the	international and government regu	I II ONS.	
dous waste subject to the Land Disposal nestrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.		1 1(705.	
waste has been treated in accordance with the requirements of 40 CFR Part 268 and		i it ins.	
waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Or hite 6 Print/Type Name & Titte. Shipment Date	Print/Type Name & Title		
odus waste subject to tite Land Disposal nestrictions, i certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Shipment Date	Print/Type Name & Title Operators Signature	i i ()ns.	
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waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Signature TRANS SECTION XI TRANSPORTER I	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO	FITER 2	
DOUS waste student to the Land Disposal nestrictions, Teerthy and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Signature TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS ADDRESS	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER	FYER 2	
Waste subject to the Land Disposal restrictions, Teerthy and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Shipment Date TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS AND AND TRUCKING PRINT/Type Name/Title TRUCK NO. PHONE NO. 337 3888	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS	FYER 2	
Waste subject to the Land Disposal restrictions, Teerthy and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Shipment Date TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS AND AND TRUCKING PRINT/Type Name/Title TRUCK NO. PHONE NO. 337 3888	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title	FITER 2	
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waste stage to the Land Disposal nestrictions, Teerthy and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Shipment Date TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS / AND SECTION OF TRANSPORTER I DRIVER / Print/Type Name/Title TRUCK NO PHONE NO SECTION OF TRANSPORTER I Acknowledgement of receipt of materials. Signature Date	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title TRUCK NO. Acknowledgement of receip	F1'ER 2 HCNE NO: of materials	Sh
waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Signature TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS Print/Type Name/Title Print/Type Name/Title TRUCK NO Print/Type Name/Title TRUCK NO PHONE NO Date Dispo	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS. DRIVER Print/Type Name/Title TRUCK NO. Acknowledgement of receiptions of the signature.	F1'ER 2 HCNE NO of or materials	Sh
Signature TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS Print/Type Name/Title TRUCK NO Print/Type Name/Title TRUCK NO Print/Type Name/Title TRUCK NO Print/Type Name/Title TRUCK NO DACKNOWledgement of receipt of materials. Signature Date DISPO DISCREPANCY INDICATION SPACE	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title TRUCK NO. Acknowledgement of receip Signature SAL SITE DISPOSAL COORDINATE (Landfill use only)	F1'ER 2 HCNE NO: of materials	Sh
waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Titte. Signature TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS Print/Type Name/Title TRUCK NO PHONE NO. Acknowledgement of receipt of materials. Signature DISPO DISCREPANCY INDICATION SPACE	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title TRUCK NO. Acknowledgement of receipt Signature SAL SITE (Landfill use only)	FITER 2 HCNE NO of or materials.	Sh
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Outs waste studied to the Land Disposar hestractions, Certify and warrant that the waste has been freated in accordance with the requirements of 40 CFR Part 288 and is no longer a hazardous waste as defined by 40 CFR Part 281. Print/Type Name & Titte. Shipment Date TRANS SECTION XI TRANSPORTER I NAME OF CO. ADDRESS Print/Type Name/Title TRUCK NO. PHONE NO. Acknowledgement of receipt of materials. Signature Date DISPO DISCREPANCY INDICATION SPACE Print/Type Name SITE AND ADDRESS DISPO SOUTH SHELBY 5494, MALONE RD. PERMIT# SNL 79-106-0135	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title TRUCK NO. PI Acknowledgement of receit Signature SAL SITE DISPOSAL COORDINATE (Landfill use only) Signature/Date	FITER 2 HCNE NO of or materials.	Shi
waste has been treated in accordance with the requirements of 40 CFR Part 288 and is no longer a hazardous waste as defined by 40 CFR Part 281. Print/Type Name & Title. Signature TRANS SECTION XI TRANSPORTER I NAME OF CO ADDRESS Print/Type Name/Title TRUCK NO Print/Type Name/Title TRUCK NO PHONE NO Acknowledgement of receipt of materials. Signature Date DISPO DISCREPANCY INDICATION SPACE Print/Type Name SITE AND ADDRESS Print/Type Name Print/Type Name AUTHORIZED AGENT (PLEASE PRINT)	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO ADDRESS DRIVER Print/Type Name/Title TRUCK NO Pl Acknowledgement of receip Signature SAL SITE DISPOSAL COORDINATE (Landfill use only) Signature/Date DISPO	FITER 2 HCNE NO Dit of materials. SSAL INSTRUCTIONS	Shi
waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261. Print/Type Name & Title. Signature TRANS SECTION XI TRANSPORTER I NAME OF CO. ADDRESS / WILL STOWN AND TRUCKING ADDRESS / WILL STOWN AND TRUCKING Print/Type Name/Title TRUCK NO. PHONE NO. Acknowledgement of receipt of materials. Signature Date DISPO DISCREPANCY INDICATION SPACE Print/Type Name SITE AND ADDRESS SOUTH SHELBY 5494 MALONE RD. PERMIT# SNL 79-106-0135 NORTH SHELBY 7111 OLD MILLINGTON RD. PERMIT# SNL 79-106-0224 I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.	Print/Type Name & Title Operators Signature SPORTER SECTION XII TRANSPO NAME OF CO. ADDRESS DRIVER Print/Type Name/Title TRUCK NO. PI Acknowledgement of receit Signature SAL SITE DISPOSAL COORDINATE (Landfill use only) Signature/Date	FITER 2 HCNE NO Dit of materials. SSAL INSTRUCTIONS	Shi

INSTRUCTIONS SPECIAL WASTE- COMPLET ASBESTOS WASTE-COMPLET	E SECTIONS: I., II., V., VIII., IX., XI E SECTIONS: I thru XII (Section 1, if required to analyze for hazardous waste characters)
SECTION I GENERATOR	to analyze for hazardous waste characters.
SECTION II GENERATOR	
MAILING ADDRESS	GENERATING LOCATIO
SECTION III OPERATOR/CONTRACTOR	PHONE NO. 2011
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PHONE NO.
ADDRESS (1/4)	A. A. C.
SECTION IV OWNER	PROJECTAL BRIDGE
SECTION V WASTE DISPOSAL SITE	PHONE NO. SCALA
SECTION V WASTE DISPOSAL SITE	PHONE NO 6 74/
North Shelby Landfill 7111 Old Millington South Shelby Landfill 5494 Malone Rd	
South Shelby Landfill 5494 Malone Rd. SECTION VI. RESPONSIBLE AGENCY (LOCAL STATE OF	Memphis T
SECTION VI RESPONSIBLE AGENCY (LOCAL, STATE, EP Mphs. & Shelby Cty Health Don't 1971)	A) PHONE NO. (901) 872
Mphs. & Shelby Cty Health Dept. 814 Jeffe Tenn. Div. of Air Pollution 295 Summer Jacobs	rson Memphis TN 2010:
Tenn. Div. of Air Pollution 295 Summer Jac SECTION VII DESCRIPTION OF WASTE	kson, TN 38301-3984 (901) 576-
SECTION VII DESCRIPTION OF WASTE CONTA	
CONTAINED NO.	TYPE TYPE
SOIL	DM-PLASTIC DRUM P-I
00/1	BA-6MIL PLASTIC MS-
ASPECTO	/ I-RUCK
ASBESTOS WASTE REGULATED ROM REGULATED ROM REGULATED	
SECTION VIII SECTI	0-0
SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND AD	DITIONAL INFO
The state of the s	DITIONAL INFORMATION
SECTION IX GENERATOR CERTIFICATION	
GENERATOR CERTIFICATION	
I hereby certify that the above named material is not a hazardous waste as during the property described in a payapplicable state law, has been properly described, classed and packaged, and is in proper condition for transportation according to applicable state law, has been properly described, classed laws and the waste is a treatment residue of a previously restricted.	scribed above by proper shipping of this consignment are fully and seem
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Appendix D

 $Geophysics\ Investigation -- Building\ S\text{-}235$

APPENDIX D

Geophysics Investigation of the Area Southwest of Building S-235 NSA Mid-South Millington, Tennessee

Prepared for:

The Department of the Navy Southern Division Naval Facilities Engineering Command North Charleston, South Carolina

Prepared by:

EnSafe Inc. 5724 Summer Trees Drive Memphis, Tennessee 38134 (901) 372-7962

January 2001

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EXECUTIVE SUMMARY

During a 1999 soil removal at an oil-changing ramp south of Building S-235 on the NSA Mid-South Southside, workers encountered a 6-inch steel pipe which extended west toward the Seabees compound, but terminated at a flange short of the compound. Since the purpose of the pipe was unknown, a geophysical survey was conducted to map any pipe segments extending into the Seabees compound and to detect any underground storage tanks that might be present.

The geophysics provided an image of buried metals at the site down to a depth of 2 meters below land surface. Buried metals with a strongly geometric pattern are indicated. These are likely shallowly buried aluminum runway mats, used to stabilize soil for work areas and parking. The mats have previously been discovered at several locations across NSA Mid-South. Several minor geophysical responses were noted, none of which suggest the presence of tanks. However, it is recommended that several areas of the site be excavated to confirm the geophysical imaging.

D.0 INTRODUCTION

During a soil-removal procedure conducted in 1999 at an oil-changing ramp south of Building S-235 on the NSA Mid-South Southside, workers encountered a 6-inch steel pipe which extended west toward the Seabees compound, but terminated at a flange short of the compound. Since the purpose of the pipe was unknown, EnSafe performed a geophysical survey to map any pipe segments extending into the Seabees compound and to detect any underground storage tanks (USTs) that might be present.

Figure D-1 shows the study location with respect to previous geophysical work conducted over the past five years at NSA Mid-South.

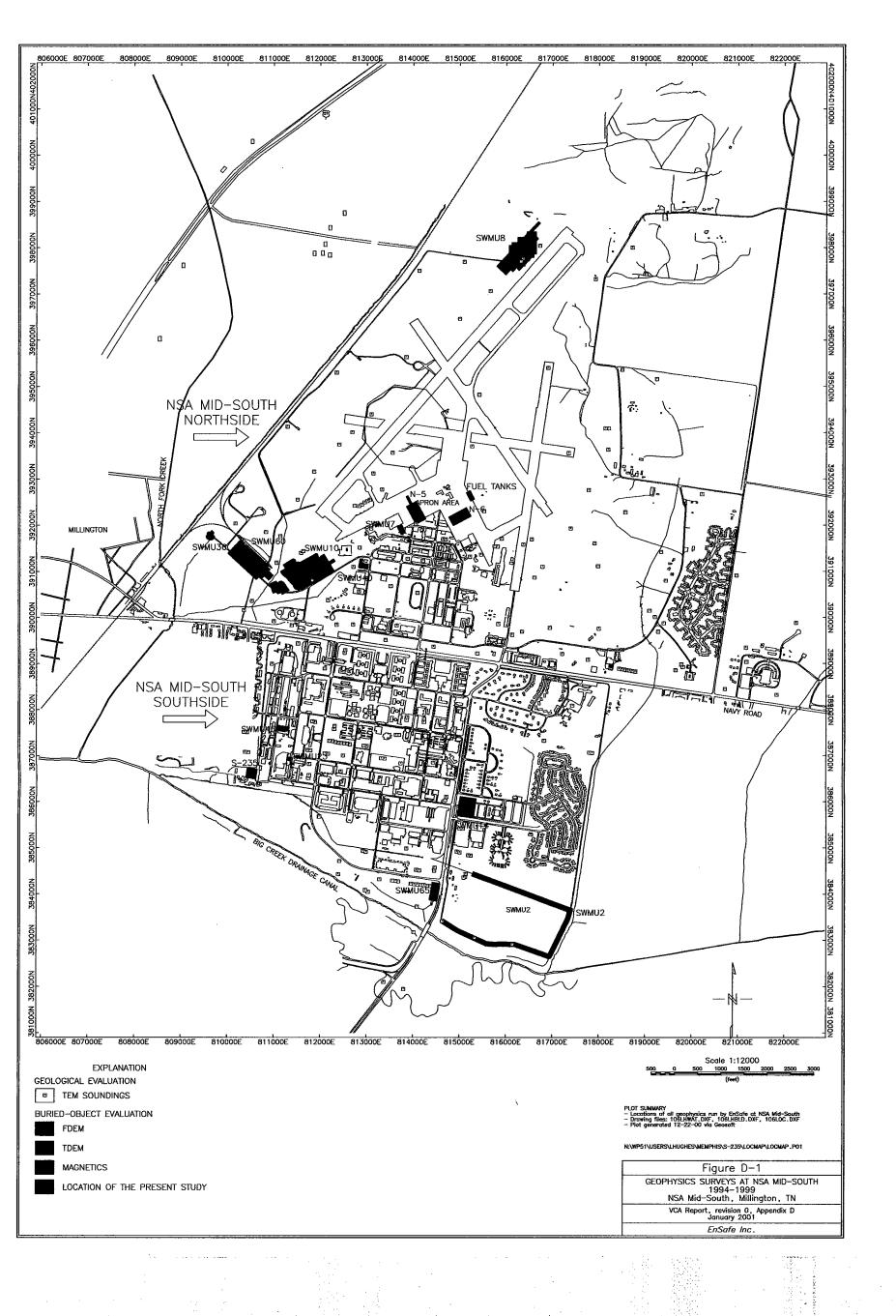
D.1 Technology and Logistics

D.1.1 Methodology

This small site was expected to have multiple near-surface metal targets, primarily underground lines and reinforced concrete slabs, as well as a metal fence. Thus, a high-resolution subsurface metal-detecting ability was needed. Time domain electromagnetics (TDEM) meets these requirements.

A Geonics EM-61 metal detector (Figure D-2) was used to acquire TDEM data. The instrument can identify all types of metal, but is insensitive to changes in soil moisture or geology. Penetration is approximately 7 feet and lateral resolution is up to 1 foot. Thus, TDEM offers less penetration, but higher resolution than frequency domain electromagnetics (FDEM). Useful data can be obtained as close as 7 feet from aboveground metal objects, making TDEM a good choice in urban and industrial settings.

The EM-61 consists of two antenna frames mounted atop one another on a wheeled cart. The bottom frame carries a transmitting and receiving antenna; the top frame carries a second receiving antenna. When current is pulsed through the transmitting antenna, an electromagnetic field is generated. The field flows uniformly into the earth, dissipating rapidly with time. The elapsed



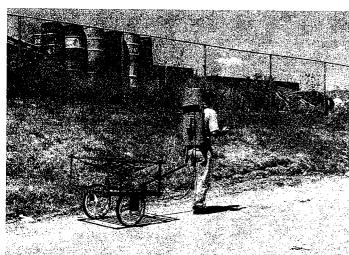


Figure D-2. The EM-61 Metal Detection System. The orange frame includes a top and bottom antenna. Signal is transmitted by the bottom antenna and received by both antennas. Voltage data are sent to a hand-held data recorder. The backpack supplies power and an electronic interface for the system. channeling preferentially through them

time after the current pulse is broken down into "early time" and "late time." early time, right after the current pulse, the electromagnetic field from the soil is still strong. But the field within the soil diminishes rapidly with time because it is an imperfect conductor, causing rapid energy loss. In late time (typically a few milliseconds), the field a result of the soil has diminished to zero. However, if channeling preferentially through them causes sustained signal

metals are better conductors than soil. Thus, if one makes a field measurement in late time, the geologic response is nil, and any remaining response (aside from noise) is a result of the effect of buried metals. When voltages are measured as a function of the instrument's position on the ground and plotted in plan view, an image of the buried metals can be constructed.

Four data parameters are available for interpretation: responses in the top and bottom antennas, and two weighted differences between the antenna responses (one weighted "shallow," favoring the bottom antenna, and the other "deep," favoring the top antenna). All data are in units of millivolts. The bottom antenna responds more strongly to near-surface metals than the top antenna, so the antenna-difference data can be regarded as the response from deeper objects, with some suppression of near-surface "noise" from objects such as small wires and surface debris. Antenna responses are not directly tied to a physical earth property, but instead show only relative changes in metal content. Both positive and negative departures from zero may be significant.

D.1.2 Field Logistics

The S-235 site was surveyed using a tape measure, referencing convenient fence lines with known state-plane coordinates. A baseline was established on the south part of the grid and all lines began along the baseline and moved northward. The data were acquired digitally on November 30, 1999, downloaded to a computer, edited, and processed.

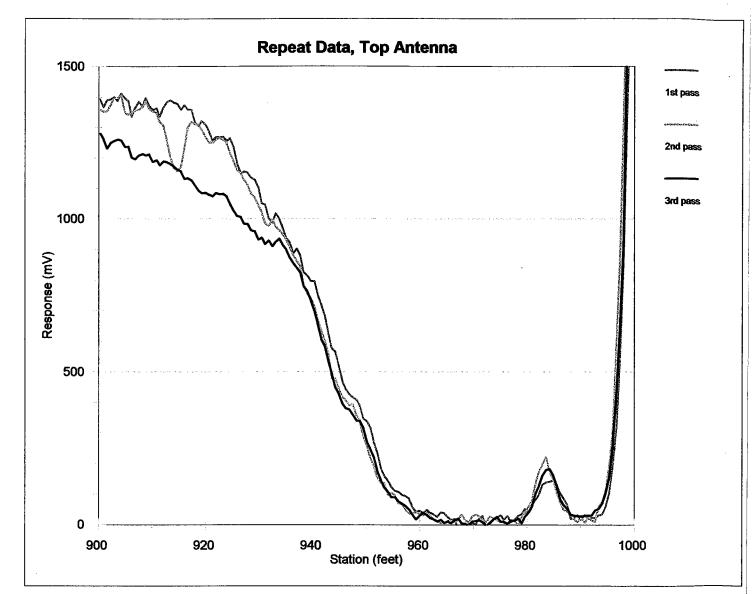
D.1.3 Data Quality Control Procedures

Data quality was checked by repeated data acquisition along a 100-foot-long section of the baseline (847N, located along the gravel access road crossing the site). The baseline was occupied at the beginning, middle, and end of the survey.

Figure D-3 shows the baseline data. Data for the top antenna are noisier, probably because of a weaker signal.¹ There is also a significant difference in the three repeats on the west (left) half of the graph, which is not attributable to noise. The data suggest some sort of antenna or electronics problem for the top antenna only. Alternatively, it is possible that the differences are caused by positioning errors with respect to a deeper, off-line cultural feature as the cart is pulled down the baseline; at this site, one could be several feet off the baseline during the tests. Indeed, an off-line conductor is shown in the data for this area. However, the overall appearance of the different responses makes an antenna problem a more-likely explanation. Note that the same kind of differences occur in the lower antenna, but they are smaller.

Because of positioning sensitivity to subparallel culture, response curves tend to shift along the station position axis, making it difficult to compare them for repeatability. To overcome this

¹Signal strength decreases with distance from the ground; thus, the top antenna's signal strength is smaller than that of the bottom antenna, and its signal-to-noise ratio is poorer. To accommodate data-processing techniques that take differences between the two antenna responses, the weaker upper signal is amplified to emulate the amplitude of the lower antenna. This also amplifies the inherent noise.



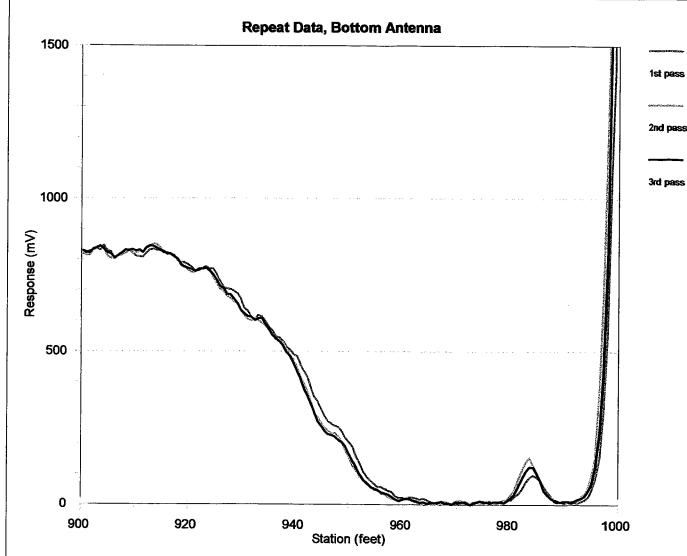


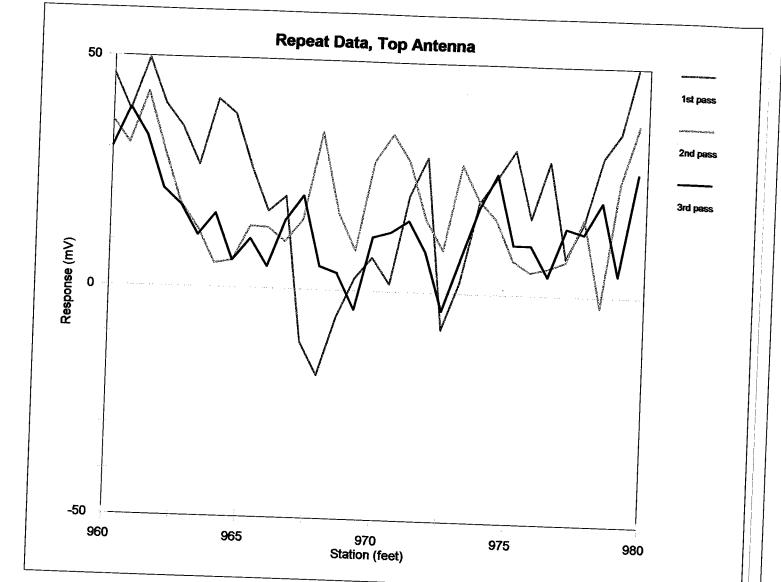
Fig. D-3. Three data repeats along the baseline.

difficulty, a subset of the data was selected in the low-response zone between stations 960 and 980. Figure D-4 shows the data, at a considerably expanded vertical scale, for this part of the baseline. In this non-metallic area, much of the variability appears to be random and probably consists of instrument noise, minor positioning differences between the baseline passes, and other procedural-related errors. Consequently, these data appear to be a good indicator of the typical response errors one would encounter in actual field use.

The data were analyzed for measurement noise in the following way. For each of the 31 data locations between stations 960 and 980, the three top-antenna measurements and three bottom-antenna measurements were averaged and a standard deviation calculated. The system noise was approximated by averaging the 31 standard deviations, and adding the standard deviation of that average standard deviation to it. This gives a "nearly worst-case" estimate of how much any single measurement will depart from the assumed true value.

Test	Top- Antenna Response (mV)	Bottom- Antenna Response (mV)
Instrument Precision Error		
Baseline test QC pass/fail	±16.1 PASS	±6.4 PASS
Benchmarks*		
Typical 500-gal UST	850	490
Two side-by-side 1,000-gal USTs	1,550	880
Two side-by-side 2,000-gal USTs	2,700	1,500

Table D-1 gives the results, compared with benchmarks established from previous TDEM surveys over tanks of known volume. The top antenna has a larger error than the bottom antenna, as expected. However, the error for both antennas calculated by the baseline measurements is nearly two orders of magnitude smaller than the expected response from a small UST. Hence, the level noise present of these measurements does not materially impact our ability to find USTs at this site.



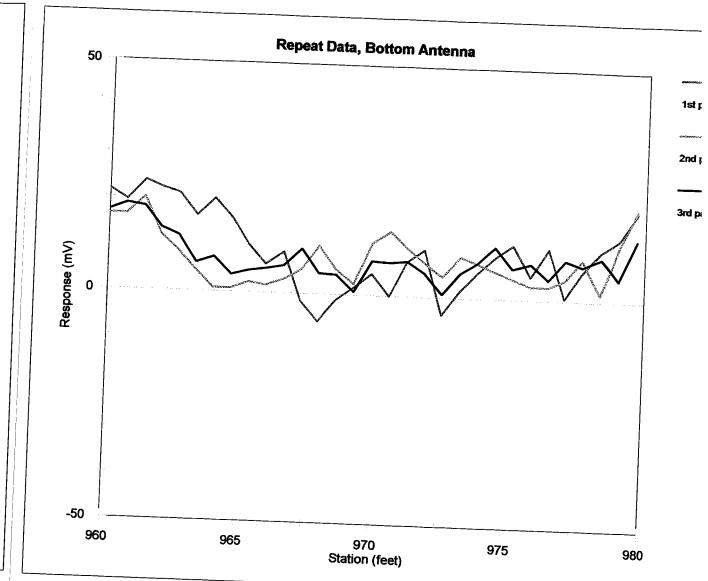


Fig. D-4. Detail of portion of the baseline repeats, showing antenna 1

Underscoring this conclusion is the fact that the antenna error would tend to produce false positives, not false negatives, so the character of the noise would not likely obscure a UST response.

Spatial Aliasing — Aliasing is an undersampling effect when the data density is too coarse to reliably detect small targets in the presence of noise. To avoid aliasing, data were collected every 0.6 foot along lines spaced 5 feet apart, which is sufficient to detect a 500-gallon UST.

Instrument Response Time/Nonreciprocity Effects — The EM-61 is usually advanced at a fairly rapid rate along predetermined lines, and in many cases, the work will proceed up one line and down the next, reversing the relative antenna directions. This procedure distorts the plan-view data plots for two reasons. First, the instrument has a short time delay, so a small shift occurs between the point when the data are recorded and when their values are recorded. Second, there is also a shift in plot position, depending on whether the antenna is pointed one way or the other (a nonreciprocity effect). These two factors tend to artificially shift an anomaly in the direction of travel. The problem can be recognized as a wavy pattern in a linear anomaly from a pipe or similar feature. At this site, all lines were run in the same direction (south to north) at a slow pace, eliminating the distortion.

D.1.4 Anomaly Classification

Anomalies were analyzed, not only for their geophysical characteristics such as size and amplitude, but also for the likelihood that each anomaly might represent an environmental concern, given available information such as site history and observed physical features. Based on all these criteria, geophysical anomalies are categorized as follows:

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Type A — Strong, well-defined anomaly with characteristics of a buried object of potential

concern or interest at the site. Some form of follow-up (site walkover, soil boring, trench, etc.),

is recommended.

Type B — Weaker or more poorly defined anomaly less likely to be caused by a buried object

of environmental concern; follow-up is less critical, but depends on the investigations of

Type A anomalies.

Type C — Anomaly not thought to be caused by buried material of environmental concern;

examples are anomalies from culture or natural changes in topography. Follow-up is not essential.

Type D — Anomaly-free with respect to the stated objectives. Type D areas are not specifically

shown on the maps but generally one can assume they encompass all areas not designated

Types A, B, or C.

D.2 Results

D.2.1 Data Display

Four parameters — top antenna, bottom antenna, shallow difference, and deep difference — were

examined, and all showed similar responses. The deep-difference data were selected as

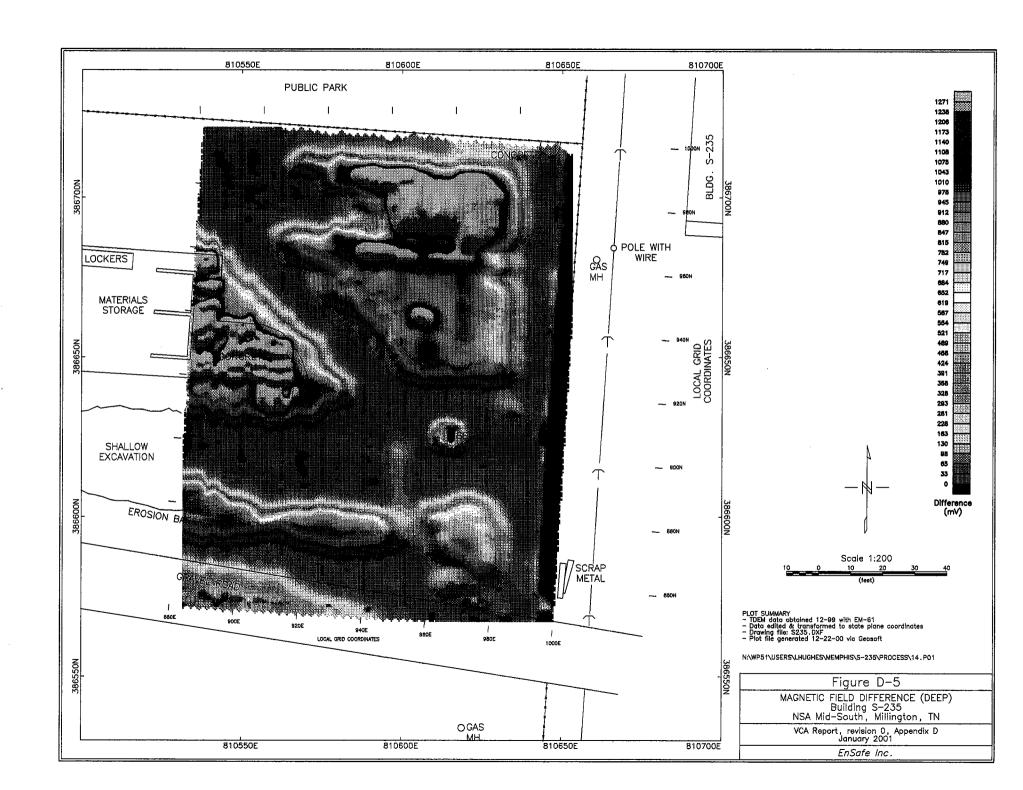
representative of all these data.

Figure D-5 shows the difference data. Blue colors signify small differences, and magenta colors

signify large differences. The excavated pipe that produced this survey was found somewhere

south of the gas manhole indicated on the right side of the plot, although the exact location was

not noted during the excavation.



The data plot is dominated by several larger, well-defined magenta areas, signifying positive antenna differences. In these areas, positive voltages were measured by both antennas. The anomalies have a peculiar, pseudo-triangular geometry with linear and regularly shaped enhancements in various places. Several other, more irregularly shaped, weaker anomalies are also seen.

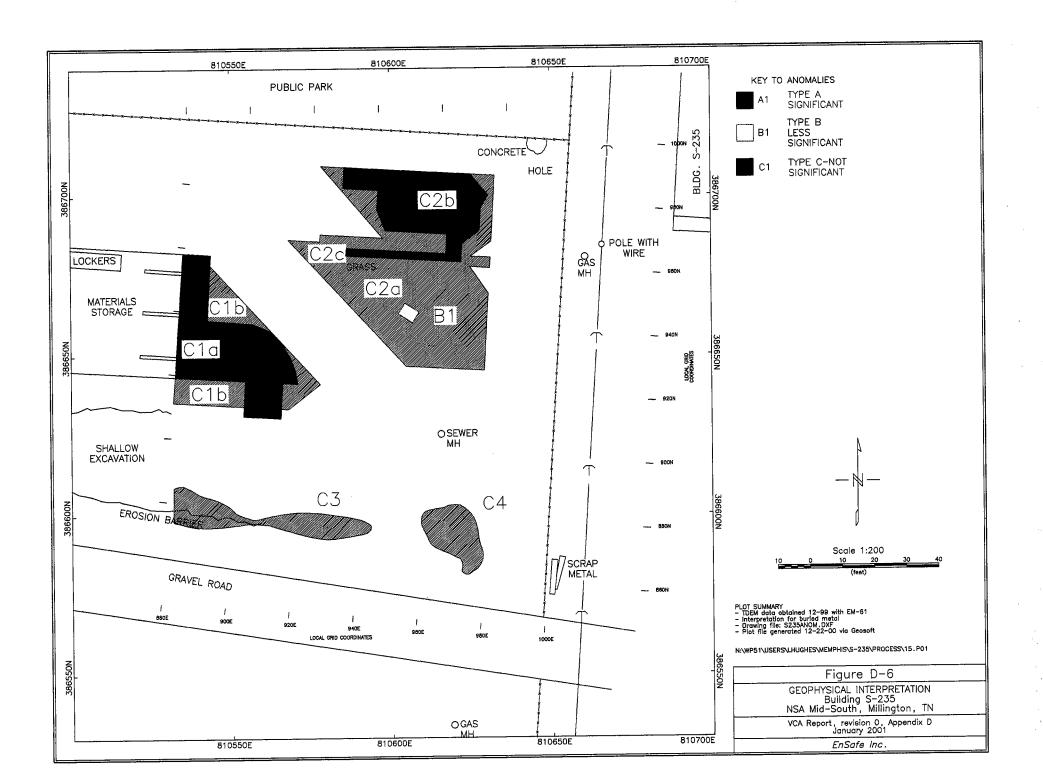
D.2.2 Data Interpretation

Figure D-6 shows our interpretation of the data. No Type A anomalies are interpreted; there is only one Type B anomaly, as discussed subsequently. Four Type C anomalies are identified.

Anomalies C1 and C2 occupy the largest areas. On the basis of geometric appearance alone, they appear to be related to each other. Each is divided into several types of responses, designated a, b, etc.

Anomaly C1a, the most anomalous part of C1, corresponds spatially with the extent of a concrete slab. C1b extends outward a short distance from the slab, and its edge geometry is different from that of the slab.

Anomaly C2 shows a definite but peculiar geometry. C2a has the amplitude and geometric character of C1b, and might have a similar cause. C2b has an odd shape, which appears to be jagged but not irregular. The higher amplitude may signify increased metal content or perhaps metals closer to the surface. C2c has a narrow linear appearance not unlike that of a pipe. Although its orientation "points" to the gas manhole to the east, C2a appears to be confined to the area of Anomaly C2 and does not extend to the manhole.



The cause of C1 and C2 is not known. One possibility is that the anomalies arise from aluminum runway matting, which has been used at NSA Mid-South over the years for soil stabilization in equipment laydown areas and for vehicle parking. Matting is produced as interlocking rolls a few feet wide. It is possible that matting was put down in a contiguous sheet extending from C1 to C2, with some sections being removed later to accommodate utilities or other land uses. This might explain the diagonal or pseudo-triangular shapes noted between C1 and C2, and the missing section between them (note that the orientation of the missing section points toward the sewer manhole). Although the interpreted edges of the anomalies are shown as straight diagonals in Figure D-6, the same anomaly shape might result from a jagged matting edge from the systematic, decremental removal of adjacent matting sections. The jagged edge would be blurred in the TDEM data because of the finite size of the antennas. Of course, it is still speculative that matting is present at all; excavation is needed to confirm its presence.

Within C2a is a small, intense anomaly, designated B1 because it is remotely possible it could be a small underground tank or other feature of potential environmental concern. Most of the evidence is against B1 being a UST: it appears to be too small, it apparently has no supply or vent lines connected to it, and there is no apparent logic to where it is located with respect to usage areas. However, with work already scheduled at C2, it will be easy to excavate B1 to settle the issue.

Anomalies C3 and C4 are irregular in shape and do not have the linear, geometric appearance of C1 and C2, nor the amplitude. They are likely to have a different cause. Perhaps they arise from previous, shallowly buried metal debris. The recently erected erosion barrier, with its small rebar supports, explains only part of C3; clearly something additional has been buried. But the anomaly does not have the appearance expected of a UST.

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D.3 Recommendations

The following actions are recommended: (1) Excavate Anomaly C2 to confirm the source of the response. Confirm that C2c is not a pipe; if it is, follow it to any connections. (2) Confirm that Anomaly B1 is not a UST or other object of environmental concern.

From a geophysical standpoint, there is no compelling reason to excavate Anomalies C3 and C4.

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